

<222> (560)

<223> n equals a,t,g, or c

<400> 360

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tctctggaga gcagcagcca tggccctacg ctaccctatg gccgtgggcc tcaacaaggg 180
ccacaaagtg accaagaacg tgagcaagcc caggcacagc cgacgccgcg ggcgctctgac 240
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gcggcgccgc atggagttac tgaaggcttc caaggacaaa cgggccctca aatttatcaa 360
gaaaaggggtg gggacgcaca tccgcgccaa gaggaagcgg gaggagctga gcaacgtact 420
ggcgcgccatg aggaaagctg ctgccaaagaa agactgagcc cctccctctg cctctccctg 480
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<210> 361

<211> 1680

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<400> 361

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<210> 362
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (591)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (709)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (718)
<223> n equals a,t,g, or c

<400> 362
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<210> 363
<211> 1324
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

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<210> 364

<211> 2853

<212> DNA

<213> Homo sapiens

<400> 364

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<210> 365

<211> 1837

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (749)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1816)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (1829)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1832)
<223> n equals a,t,g, or c

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aaaaaaaaaa aaaacncgag gggggggcng gnacca 1837

<210> 366

<211> 1823

<212> DNA

<213> Homo sapiens

<400> 366

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<210> 367

<211> 898

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>
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<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<400> 367
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<210> 368
<211> 1117
<212> DNA
<213> Homo sapiens

<400> 368
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1117

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<213> Homo sapiens

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<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

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<222> (36)

<223> n equals a,t,g, or c

<400> 369

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<211> 3636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1937)

<223> n equals a,t,g, or c

<400> 370

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<210> 371

<211> 4039

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1085)

<223> n equals a,t,g, or c

<400> 371

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<211> 1599

<212> DNA

<213> Homo sapiens

<400> 372

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<210> 373

<211> 464

<212> DNA

<213> Homo sapiens

<400> 373

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<211> 890

<212> DNA

<213> Homo sapiens

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<400> 374

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<210> 375

<211> 1874

<212> DNA

<213> Homo sapiens

<400> 375

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aaaaaaaaaa aagc 1874

<210> 376

<211> 2018

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1997)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2012)

<223> n equals a,t,g, or c

<400> 376

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gcttccggag ggactgcaaa agctctcagg gatgctggtc tggcagtcag agatgtctct 240
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gtggtgtcca cggagatgca gagctccgag agtaaggaca cctccttgga gactagacgc 600
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aaaaaaaaaa aaaaccncgg ggggggcccc gnacccca 2018

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<210> 377

<211> 818

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (818)

<223> n equals a,t,g, or c

<400> 377

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tcatcgagaa ggacaaaate accaccagga cactgaaggc ccgaatggac taacctgttt 720
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<210> 378

<211> 2565
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2565)
<223> n equals a,t,g, or c

<400> 378
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<210> 379

<211> 1680

<212> DNA

<213> Homo sapiens

<400> 379

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aatagttaca cacaagaggg aaactggaag ccaaactctg tacagtattg ttagaaagt 180
cacctcccta ctctttttat ttacatgag tgctgatgtg ttttggcaga tgagctttca 240
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<210> 380

<211> 1267

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1255)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1262)

<223> n equals a,t,g, or c

<400> 380

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<210> 381

<211> 1031

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (1015)
<223> n equals a,t,g, or c

<400> 381
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<210> 382
<211> 1597
<212> DNA
<213> Homo sapiens

<220>
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<222> (1577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1579)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1597)
<223> n equals a,t,g, or c

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agagagaaga aattatagga aatggagagc aacaatatgt ttatctgaaa gatggagatg 480
tgattaagac tgagggagcc actctaagag ttctatatac ccctggccac actgatgatc 540
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<210> 383

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<400> 383

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tcttgggggtg ctctccagt ttaaatcctt ggttttragg acamctstaa catct 175
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<210> 384

<211> 2171

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2170)

<223> n equals a,t,g, or c

<400> 384

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cggacttcct gggaaagtgg ggaaggccaa ggggaaaaaa acacaaatgg ctgaagtttt 180
gccttctccg cgtggtcaaa gagtcattcc acgaataacc atagaaatga aagcagaggc 240
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tgggtgtgga ctagaaggcc taaaacaaag attagaaaag aaacagaaaa gagaaccagg 360
tacaaagaca aagaaacaaa ctacattggc atttaagcca atcaaaaaag gaaagaagag 420
aaatccctgg tctgattcag aatcagatag gagcagtgc gaaagtaatt ttgatgtccc 480
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<210> 385

<211> 2364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<400> 385

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tgtgccagct ctataattgt tttgctacga ttccactgaa actcttcgat caagctactt 360
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<210> 386

<211> 2864

<212> DNA

<213> Homo sapiens

<400> 386

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<210> 387

<211> 2683

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2649)
<223> n equals a,t,g, or c

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<210> 388

<211> 1446

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<400> 388

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1446

<210> 389

<211> 723

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (705)

<223> n equals a,t,g, or c

<400> 389

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ggg 723
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<210> 390

<211> 1046

<212> DNA

<213> Homo sapiens

<400> 390

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ccgacctgct ggtgccactc tggaaagggc caagactctc tcccagggga agaattgggt 180
cgtcaaagac gtttttgcct ttgggggtgc cgtggagaac cccgagtact tgacacccca 240
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ctattactgg gaccaggacc caccagagcg gggggctcca cccagcacct tcaaagggac 360
acctacggca gagaaccag agtacctggg tctggacgtg ccagtgtgaa ccagaaggcc 420
aagtccgcag aagccctgat gtgtcctcag ggagcaggga aggcctgact tctgctggca 480
tcaagaggtg ggagggccct ccgaccactt ccagggggaa ctgccatgcc aggaacctgt 540
cctaaggaa cttccttctt gcttgagttc ccagatggct ggaaggggtc cagcctcgtt 600
ggaagaggaa cagcactggg gagtctttgt ggattctgag gccctgccc atgagactct 660
aggggtccagt ggatgccaca gccagcttg gccctttcct tccagatcct gggactgaa 720
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gcgaccatt cagagactgt cctgaaacc tagtactgcc ccccatgagg aaggaacagc 840
aatggtgtca gtatccaggc tttgtacaga gtgcttttct gtttagtttt tacttttttt 900
gttttgtttt tttaaagatg aaataaagac ccagggggag aatgggtgtt gtatggggag 960
gcaagtgtgg ggggtccttc tccacacca ctttgtccat ttgcaaatat attttggaaa 1020
acaaaaaaaa aaaaaaaaaa aaaaaa 1046
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<210> 391
<211> 699
<212> DNA
<213> Homo sapiens

<400> 391
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at ttggtgtg ctgttgaagg ggggagacta gagaaatggc agggaaacctc ttatccgggg 180
caggtaggcg cctgtgggac tgggtgcctc tggcgtgcag aagcttctct cttggtgtgc 240
ctagattgat cgggtataagg ctcaactctcc cgccccccaa agtgggtgat cgttggaaacg 300
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agaagagaaa gctgagaact tcggaaaagg ctcatctgtc accctggaga agggaaactg 600
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gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagtcgacc 699

<210> 392
<211> 1545
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<400> 392
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ccggactcgg acgcgtggta gccccaggat gggtaggttc aacgagaaga agacaacatg 120
tggcaccggt tgctcaagt acctgctgtt tacctacaat tgctgcttct ggctggctgg 180
cctggctgtc atggcagtgg gcatctggac gctggccctc aagagtgact acatcagcct 240
gctggcctca ggcacctacc tggccacagc ctacatcctg gtggtggcgg gcactgtcgt 300

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cctgtacttc atcctgctcc tcatcatctt tctgctggag atcatcgctg gtatcctcgc 420
ctacgcctac taccagcagc tgaacacgga gctcaaggag aacctgaagg acaccatgac 480
caagcgctac caccagccgg gccatgaggc tgtgaccagc gctgtggacc agctgcagca 540
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catgtgcctc tgcggggcag ggccttcctg gttttgtaca ctgctgtacc cagatgccta 1440
caaccatccc tgccacatac aggtgctcaa taaacacttg tagagcagaa aaaaaaaaaa 1500
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1545
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<210> 393

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (748)

<223> n equals a,t,g, or c

<400> 393

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tgaaccggyc caggtcggaa acggagcagt tttccttgag cggagattca ggtttttcag 180
gtgggtcttg tgagctgggg tctttacaac ccctgccttg gctctgctga caaaaaactcc 240
cgcaaaaggc cccctcgtag caaggctccg ccgccacgag actttcacat caatctcttc 300
cgcatgcagc cctggctgag gcagcacctg ggggatgtcc tgaatttttt acccctctag 360
ccatggccac tgagccctct gctgccctgc cagaatctgc cgccctcca tcttctacct 420
ctgaatggcc acccttagac cctgtgatcc atcctctctc ctagctgagt aaatccgggt 480
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gactgcctcg ctgccccacc tcccgctcct tggcctgtcc ccagattcct tccctggttg 600
acttgactca tgcttgtttc actttcacat ggaatttccc agttatgaaa ttaataaaaa 660
tcaatggttt ccacaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaana 749
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<210> 394
<211> 611
<212> DNA
<213> Homo sapiens

<400> 394
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gtcccggtcg cgaggaggag gaggatgtgg cgcgcggagg ggaaatggct gccgaaaaca 120
agccggaaga gcgtttccca aagtgtattc tgcggaacta gcacctactg tgttctcaac 180
accgtgccac ctatagaaga tgatcatggg aacagcaata gtagtcatgt aaaaatcttt 240
ttaccgaaaa agctgcttga atgtctgccg aaatgttcaa gtttaccaaa agagaggcac 300
cgctggaaca ctaatgagag atcatgatgc agccgtcctt ttggatttct ttttaataat 360
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aatttaattt cattttttta ttttggtgta caagctgtaa catttcatct ttcaaagtgt 480
aacacgctga tttcctcaaa tagagatacc cctttgagtg ataaatttgc aaaatgctgt 540
cttcattttc tgtattaaaa ttcatttcag ttttaaaata aagtgtaatc tgtgttttca 600
tcctttttaa a 611

<210> 395
<211> 1856
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1851)
<223> n equals a,t,g, or c

<400> 395
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acccggccga cgggacccct aaagtcttgc ttctgtcggg gcagcccgc tccgccgccg 120
gagccccggc cggccaggcc ctgccgctca tggtgccagc ccagagaggg gccagcccgg 180
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agaaccagga gttaagacag cgcttgggga tggatgccct gggtgctgaa gaggaggcgg 480
aagcaagggg aatgaagtga ggccagtggc cgggtctgct gaggccgcag cactcagact 540
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gtagcttctg aaagggtgctt tctccattta tttaaaacta cccatgcaat taaaagggtac 1800
aatgcaaaaa aaaaaaaaaa aaaaaaaccc ggggggsgcc ccggaaccaa nttccc 1856

<210> 396

<211> 2651

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2642)

<223> n equals a,t,g, or c

<400> 396

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gagccgaaga tggcagtga cgtatactca acgtcagtga ccagtgataa cctaagtcga 180
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angggacca a 2651

<210> 397

<211> 2507

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2489)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2504)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2505)

<223> n equals a,t,g, or c

<400> 397

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<210> 398

<211> 1273

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (1227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1252)
<223> n equals a,t,g, or c

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<212> DNA
<213> Homo sapiens

<400> 399
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<211> 1522

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1471)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (1481)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1487)

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<220>

<221> misc feature

<222> (1501)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (1508)

<223> n equals a,t,g, or c

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<210> 401

<211> 1370

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1223)

<223> n equals a,t,g, or c

<400> 401

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<210> 402

<211> 1412

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1406)

<223> n equals a,t,g, or c

<400> 402

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<210> 403

<211> 1750

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<400> 403

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<210> 404
<211> 1339
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1330)
<223> n equals a,t,g, or c

<400> 404
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<211> 482
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<400> 405

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<210> 406

<211> 1413

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<400> 406

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<210> 407

<211> 1693

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1548)

<223> n equals a,t,g, or c

<400> 407

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<210> 408

<211> 1342

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1332)
<223> n equals a,t,g, or c

<400> 408
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aaaaaaaaaa anaaaaaac ca 1342

<210> 409
<211> 2417
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (680)

<223> n equals a,t,g, or c

<400> 409

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<210> 410

<211> 1401

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1394)

<223> n equals a,t,g, or c

<400> 410

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tgatcccaaa atgcaaactg acaaaccttt tgaccagacc acaattagtc tgcagatggg 180
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aaciaatggt tcggaaatca gtgatagtga ttatcaggca gaataccctg atgagtatca 480
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ttmaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1380
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<210> 411

<211> 3016

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<400> 411

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<210> 412

<211> 958

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (930)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (934)
<223> n equals a,t,g, or c

<400> 412
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<210> 413
<211> 500
<212> DNA
<213> Homo sapiens

<400> 413
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<210> 414
<211> 3397
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3081)
<223> n equals a,t,g, or c

<400> 414
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<210> 415

<211> 2880

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<400> 415

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<210> 416

<211> 1616

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1610)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1611)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1616)
<223> n equals a,t,g, or c

<400> 416
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gagatgttgc atcttataaa attagaaata aaaagatcca ttcaaaaaraa aaaaaaaaaa 1560
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggggggn ncccn 1616

<210> 417
<211> 1815
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1184)
<223> n equals a,t,g, or c

<400> 417
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caggatgcc ctcgtcactc cccttaggag ccccaggccc aggccactca ggtgtcagat 240
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atgatgcagc tttga 1815

<210> 418

<211> 1966

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<400> 418

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ataatgtgac ttcttaaaag ttttattaaa ggggaggggc aaatattggc aattagttgg 180
cagtggcctg ttacgggttg gattgggtgg gtgggttttag gtaattgttt agtttatgat 240
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aatttacatg ttgtgatgta aattgtgtag aaaaccatta aatcattcaa aataataaac 1920
tattttttatt agagaatgta waaaaaaaaa aaaaaaaaaa ctcgta 1966

<210> 419

<211> 2852

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2838)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2843)

<223> n equals a,t,g, or c

<400> 419

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<211> 2705

<212> DNA

<213> Homo sapiens

<400> 420

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<211> 1901

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1828)

<223> n equals a,t,g, or c

<400> 421

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<210> 422

<211> 2477

<212> DNA

<213> Homo sapiens

<400> 422

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<210> 423

<211> 777

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (759)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (764)

<223> n equals a,t,g, or c

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<210> 424

<211> 1649

<212> DNA

<213> Homo sapiens

<400> 424

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<210> 425

<211> 1608

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1600)
<223> n equals a,t,g, or c

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<210> 426
<211> 1794
<212> DNA
<213> Homo sapiens

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<222> (1789)
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<220>
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<222> (1790)

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<222> (1793)

<223> n equals a,t,g, or c

<400> 426

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<211> 770

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (618)
<223> n equals a,t,g, or c

<400> 427
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taaaaaatag aaattatctc actacttaaa tcccatTTTT ttcacttcat atgaaagaac 180
atattgatag tatattctat attatttcat agatctgtct gaaagagatt gggaacaaaa 240
atatctaatt gagatattct ttaatttttt acatagcagc tttatttttt ttattctgta 300
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<211> 512
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
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<222> (38)
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<220>
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<222> (484)

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<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<400> 428

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ccatgaaggg ggtcagtcct acaagattgg tgacacctgg aggagaccac atgagactgg 240
tggttacatg ttagagtgtg tgtgtcttgg taatggaaaa ggagaatgga cctgcaagcc 300
catagctgag aagtgttttg atcatgctgc tgggacttcc tatgtgggtcg gagaaacgtg 360
ggagaagccc taccaaggct ggatgatggg agattgtact tgcctgggag aargcagcgg 420
acgcatcact tgcacttcta gaaatagatg caacgwtcag gacacaagga catctataga 480
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<210> 429

<211> 1470

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1415)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1454)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (1462)

<223> n equals a,t,g, or c

<400> 429

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ccggagccgg ggcccgtca gccggcgta ccatgaccaa ggccggtagc aagggcggga 240
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gtaagaacaa gctgcagcag ctgccagcag actttggccg tctgggtcaac ctccagcacc 480
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<210> 430

<211> 434

<212> DNA

<213> Homo sapiens

<400> 430

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gaatccccag ccggaagct ctcccagtc ttcgcccttc ctgttacggg aggcactgtt 180
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gcgtctgggt tcctgggtga acctcatctg caaktccggg tactsatcg agcctcacta 360
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<210> 431

<211> 1823
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (1805)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1815)
<223> n equals a,t,g, or c

<400> 431
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<210> 432
<211> 3391
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (33)
<223> n equals a,t,g, or c

<220>
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<222> (68)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<222> (114)
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<220>
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<223> n equals a,t,g, or c

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<222> (3391)
<223> n equals a,t,g, or c

<400> 432
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<210> 433

<211> 2553

<212> DNA

<213> Homo sapiens

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<222> (2510)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2516)

<223> n equals a,t,g, or c

<400> 433

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gattcgaatg acactgttca ggaatcgga tccgtgtgat tagactggac agcttgtggc 1920
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caccataggt agaattgaaa gcttgtctga tcgttcaaag catgaaatgg atacttatat 2160
ggaaattctg ctcagataga atgacagtcc gtcaaaacag attgtttgca aaggggaggg 2220
```



```
atcagtgtcc ttggcaggct gatttctagg taggaaatgt ggtagcctca cttttaatga 2280
acaaatggcc tttattaaaa actgagtgc tctatatagc tgatcagttt tttcacctgg 2340
aagcatttgt ttctactttg atatgactgt ttttcggaca gtttatttgt tgagagtgtg 2400
accaaaagtt acatgtttgc acctttctag ttgaaaataa agtgtatatt ttttctataa 2460
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa cggggaattn ccgganccgg 2520
tacctgccag gcgtacttgt catcagtgtt cac 2553
```

<210> 434

<211> 2532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2470)

<223> n equals a,t,g, or c

<400> 434

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gccgctctgc tgctgctgct gccgcccccg ctcttagccc gaccctcgt cctgctccgc 180
cggtcctca gcgcggcctc ctgcgccccg atctccttgc ccgcgcgcgc ctcccgagc 240
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caggagatc ttgtgcgaaa actcaaagaa gataaagcac cccaagtaga cgtagacaaa 360
gcagtggctg agctcaaagc ccgcaagagg gttctggaag caaaggagct ggcgttacag 420
cccaaagatg atattgtaga ccgagcaaaa atggaagata ccctgaagag gaggtttttc 480
tatgatcaag cttttgctat ttatggaggt gttagtggtc tgtatgactt tgggccagtt 540
ggctgtgctt tgaagaacaa tattattcag acctggaggc agcactttat ccaagaggaa 600
cagatcctgg agatcgattg caccatgctc acccctgagc cagttttaaa gacctctggc 660
catgtagaca aatttgctga cttcatgggt aaagacgtaa aaaatggaga atgttttcgt 720
gctgaccatc tattaagaagc tcatttacag aaattgatgt ctgataagaa gtgttctgtc 780
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ttcaaatgtt ccgtcctccc actgagccaa aaccaggagt tcatgccatt tgtcaaggaa 1980
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agggaccgta ttttatcttc agtggctgcc tgattttacc cccacaatta aagttgaagg 2460
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aaaaaaaaa aa 2532
```

<210> 435

<211> 1822

<212> DNA

<213> Homo sapiens

<400> 435

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ggctacgggg ctcggttttg ctgactgggg agtcggcgagg cggcaggaac catgcgagge 180
cagcggagcc tgctgctggg cccggcccgc ctctgcctcc gcctccttct gctgctgggt 240
tacaggcgcc gctgtccacc tctactccgg ggtctagtac agcgtggcg ctacggcaag 300
gtctgcctgc gctccctgct ctacaactcc tttgggggca gtgacaccgc tgttgatgct 360
gcctttragg ctgtctactg gctggttagc aacgtgatcc gctggtttgg agtggtgttc 420
gtggtcctgg tgatcgtgct gacaggctcc attgtagcta tcgcctacct gtgtgtcctg 480
cctctcatcc tccgaacctc ctacgtgcca cgactctgct ggcatttctt ctatagccac 540
tggaatctga tcttgattgt cttccactac taccaggcca tcaccactcc gcctgggtac 600
ccaccccagg gcaggaatga tatcgccacc gtctccatct gtaagaagtg catttaccac 660
aagccagccc gaacacacca ctgcagcatc tgcaacaggt gtgtgctgaa gatggatcac 720
cactgcccct ggctaaacaa ttgtgtgggc cactataacc atcggtactt cttctctttc 780
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aacaagaagg agagacgtcg gctacaggcc aagggcagag tatttaggaa tccttacaac 1140
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gcttctcaac agggcaaaaga taccaggcct gctgctgagg tcactgccac ttctcacatg 1740
ctgcttaagg gagcacaat aaaggtattc gattttttaa gawaaaaaaa aaaaaaaaaa 1800
tttggggggg ggggccccgt ta 1822
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<210> 436

<211> 1030

<212> DNA

<213> Homo sapiens

<400> 436

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gagaagctgc tgaccgggtt cccacagtgc aataaggccc agatgaccaa cattcttcag 120
cagatcaaga cagcacgtac caccatggca ggcctgacca tggaggaact tatccagttg 180
gttgctgcac gactggcaga acatgagcgg gtggcagcaa gtactcagcc acttggtcgc 240
atccgggcct tgttccctgc tccactggcc caaatcagta cccaatgtt cttgccttct 300
gccaagttt catatcctgg aaggtcttca catgctccag ccacctgtaa gctatgtcta 360
atgtgccaga aactcgtcca gccacgtgag ctgcatccaa tggcgtgtac ccatgtattg 420
cacaaggagt gtatcaaatt ctgggcccag accaacacaa atgacacttg tcccttttgt 480
ccaactctta aatgacggac ctgactgggg aggaagaaga agagaaactg atgtgaacag 540
gaagcgcggg ttcaagattt ctaaaactct atatttatac agtgacatat actcatgcca 600
tgtacatttt tattatatag gtaatgtgtg tatagaaagt ctgtattcca atgttcgtaa 660
atgaaactat gtatattatg cagaaacagt ctgttcccc tcatcttgca attcctttgg 720
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cattctgctt tggtttggt cagcctctag tccatttcct taaggctcat gtatgcagat 900
ttaaagcctg gtgctcacc actgtccaac cagatgcctt gcttaccgaa agcctccaga 960
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aaaaaaaaagt                                     1030
```

<210> 437

<211> 1632

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1602)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1616)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1617)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1628)

<223> n equals a,t,g, or c

<400> 437

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gcccccttcg tggacggctc tgtggcctct gtgggaactt caatggcaac tggagtgcg 180
actttgtcct gcccaatggc tcagcagcgt ccagtgtgga gaccttcggg gctgcatggc 240
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gcttggcaga ggagactgca ccctatgaga gcaacgaggc ctgcgggcag ctccggaacc 360
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gcgtatacga cctgtgcgcg caaaagggtg acaaagcctt cctgtgcgcg agcctggcag 480
cctacacggc ggctgtcag gcagctggcg tggccgtgaa gccctggagg acagacagct 540
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acggggacca gaccaatgat tggcatgact ccaggagaa gccagcgatg gagaaatgga 1380
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accctgtct accgcttttc tgggtcacag aggccaaatg tgagagcatt gaataaatat 1560
cttaagctaa aaaaaaaaaa raaaaggggc cgataagggc anaggccct tggcannag 1620
attcccgnnt cc 1632
```

<210> 438

<211> 1016

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (993)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (994)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (995)

<223> n equals a,t,g, or c

<400> 438

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actcgtgccg aattcggcac gagcggncac gagcaagccc catctcatcc tggcacgccc 60
tactccactg ccctggcagc agcaggtgtg gccaatggag ggggggtgctg gccccagga 120
ttccccagc caaactgtct ttgtcaccac gtggggctca cttttcatcc ttccccaact 180
tccctagtcc ccgtactagg ttggacagcc cccttcggct acaggaaggc aggaggggtg 240
agtcccctac tccctcttca ctgtggccac agcccccttg ccctccgcct gggatctgag 300
tacatattgt ggtgatggag atgcagtcac ttattgtcca ggtgaggccc aagagccctg 360
tggccgccac ctgaggtggg ctggggctgc tcccctaacc ctactttgct tccgccactc 420
agccatttcc ccctcctcag atggggcacc aataacaagg agctcacccct gcccgctccc 480
aacccccctc ctgctcctcc ctgcccccca aggttctggt tccatttttc ctctgttcac 540
aaactacctc tggacagttg tggtgttttt tggtcaatgt tccattcttc gacatccgtc 600
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ggaggggtag ccatgatttg tccagcctg gggtccctc tctggtttcc tatttgcagt 900
tacttgaata aaaaaaatat ccttttctgg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 960
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aannnggggg gggccccccc ccccca 1016
```

<210> 439

<211> 594

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (519)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (530)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (531)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (539)

<223> n equals a,t,g, or c

<400> 439

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atcctgctag acgcgccgcg caccgacgga ggggacatgg gcagagcaat ggtggccagg 120
ctcgggctgg ggctgctgct gctggcactg ctctaccca cgcagattta ttccagtga 180
acaacaactg gaacttcaag taactcctcc cagagtactt ccaactctgg gttggcccca 240
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ttcgtggtct cactctctct tctgcatctc tactcttaag agactcaggc caagaaacgt 360
cttctaaatt tccccatctt ctaaacccaa tccaaatggc gtctggaagt ccaatgtggc 420
aaggaaaaac aggtcttcat cgaatctact aattccacac cttttaaaaa tttttnggga 480
acccaaccca aagggtaaaa aaaaaaaaaa atttggggnt ttttttgggn naaaggggna 540
aaaaaaattt tccccccccc ccccaaaaaa aaaaaaaaat tttttttttt tttt 594
```

<210> 440

<211> 1580

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (873)

<223> n equals a,t,g, or c

<400> 440

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tcattccgag tcttcgacct ggagctgcac ccgcctgccc gctacgatgc tctggaggtc 420
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ggaggacgag gcttcctgct ctggtacagc gggcgggcca cctcgggcac tgagcaccaa 600
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ccctctcaac ctgtgcgggc tgctgcgtcc caggactgag acgcaggcca gccccggccc 1500
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tctccatgct tatggtaaaa 1580

<210> 441
<211> 1082
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1074)
<223> n equals a,t,g, or c

<400> 441
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tggaagaaaa agtggttgcct cctcacccag gaagggtgtc tgcttatccc gcccaagcag 540
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caagaccagg gctggaacgc cgagatcacg ctgcagatgg tgcagtacaa gaatcgtcag 840
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ccctcgcagc cgcagccgca gccgcagctc cagccccaac cccagcctca gcctcagccc 960
caaccccagc cccaatcaca accccagcct cagccccaac ccaagcctca gcccagcag 1020
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aa 1082

<210> 442

<211> 1241

<212> DNA

<213> Homo sapiens

<400> 442

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agacgagcgt ggcgggccgcg gctgctcggg gccgcgctgg ttgcccattg acagcggcgt 60
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gtgatgtcca agttcacaag accagaccac tactgaatat aaggtcagat aaaactctcc 420
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aattctttga ccagaacaga ttggatcgga aagtaaaca agacaaagag aaatctaagg 660
aggaggtgaa tgataaaaga tacttacgat gccagcagc aatgactgtg atgcacttaa 720
gaaagtthct cagaagtaaa atggacatac ctaatacttt ccagattgat gtcattgatg 780
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tcagtcacca gagagatgga ctgacaaatg ctggagaact ggaaagtga cctggggagt 960
acaaggccaa cagcccagca ggaggatttc cctccacctc ttcttgthtt cctagcccca 1020
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ccagcaacag cccagcgggt aaccaccaat cttctthttgc caatagacct cgaaaatcat 1140
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aaaaaaaaa accccggccg ctcccacttc agattggtaa c 1241
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<210> 443

<211> 968

<212> DNA

<213> Homo sapiens

<400> 443

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agtattttca gagaaaattg aaggthtttt taaacatcac tggatttctt gattgaggaa 180
acaagttctg aaataatagc acaatttcaa agaagagact ctttgcaaag ttgataacat 240
ttcaaaccct gaaggacagt gacttattat gtwagttcaa tkttgtaagt ycattatgtw 300
agatccttht thttthttcat aatatgtatt cttggctgct atgcgtggtt tttcaggaaa 360
tttaattatc ttactgagat gtgaaagcaa aactagtaac agaacttaca ttttatttca 420
tgctthtcta aaccctgca tattctggtg aaacatgtaa aatactthta gtaaaattga 480
acattthtat ttgaatttht gctgaactga taaagggtgt tatattthttg tttgttkgtt 540
tgtttaattc atgtthgttg ggactgaggt ttaggaaggt tgthtactgt taaaaacctc 600
aaatgaaatg cgaaagaatt tgaattthtc ctgcatatgt caactthtga cagctthtcaa 660
gaaaaatgag aaaagthtca acttctggcg gttaaaatat taatgcagaa tttactaaga 720
ttttattcat ttgcattagc aaatattcat gcagcagcag ttgactgaaa atttattctt 780
atgagacgta tagtattcat ttttaaatgc atgattgtac attatgtata gacgacaatg 840
tttttaattt ataaatttca ttctthgtta attgcatggg tttthtctgca gcttattgtg 900
aataccttgg thctgttcaa tagaaacatt ttgtatatat traatactga aatatcaaaa 960
aaaaaaaaa 968
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<210> 444
<211> 1360
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 444
cgccggagcg tcattctgcga ctccaatgcc actgcactgg agcttcccgg ccttcctctt 60
tccctgcccc agcccagcat ccccgcggt gtcccgcaga gtgctccacc gganeccac 120
cggaagaga ccgtgaccgc caccgccact tccaggttag ccagcagcc tccagccgct 180
gccgcccctg gggaacaggc cgtcgcgggc cctgcccctc gactgtcccc agcagtacca 240
gcaaagaccg ccagtggtcc cagcctagcc ttgtggggag caaagaggag ccgcccggcg 300
angaaagtgg cagcggcggc gcaagcgcmn aaggagccac aggaggaacg gagccagcag 360
caggatgata tcgaagagct ggagaccaag gccgtgggaa tgtctaacga tggccgcttt 420
ctcaagtttg acatcgaaat cggcagaggc tcccttaaga cggctctaca aggtctggac 480
actgaaacca ccgtggaagt cgcctggtgt gaactgcagg atcgaaaatt aacaaagtct 540
gagaggcaga gatttaaaga agaagctgaa atgttaaaag gtcttcagca tcccaatatt 600
gttagatttt atgattcctg ggaatccaca gtaaaaggaa agaagtgcac tgttttggtg 660
actgaactta tgacgtctgg aacacttaaa acgtatctga aaaggtttaa agtgatgaag 720
atcaaagttc taagaagctg gtgccgtcag atccttaaag gtcttcagtt tcttcatact 780
cgaactccac ctatcattca ccgcgatctt aaatgtgaca acatctttat caccggccct 840
actggctcag tcaagrttgg agacctcggc ctggcaaccc tgaagcgggc ttcttttgcc 900
aagagtgtga taggtacccc agagttcatg gccctgaga tgtatgagga gaaatatgat 960
gaatccgttg acgtttatgc ttttgggatg tgcattgctg agatggctac atctgaatat 1020
ccttactcgg agtgccaaaa tgctgcgcag atctaccgtc gcgtgaccag tgggggtgaag 1080
ccagccagtt ttgacaaagt agcaattcct gaagtgaagg aaattattga aggatgcata 1140
cgacaaaaca aagatgaaag atattccatc aaagaccttt tgaaccatgc cttcttccaa 1200
gaggaaacag gactacgggt agaattagca gaagaagatg atggagaaaa aatagccata 1260
aaattatggc tacgtattga agatattaag aaattaaagg gaaaatacaa agataaaaaa 1320
aaaaaaaaa aaaaaaaaaa aaaaaacacc caccgtgccg 1360

<210> 445
<211> 1835
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1738)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1747)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1758)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1801)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1806)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1831)
<223> n equals a,t,g, or c

<400> 445
tcgacccacg cgtcgggat gagccccg gcctcatttc tcctagccct tctgtttcttc 60
cttggecaag ctgcagggga ttgggggat gtgggacctc caattcccag ccccggttc 120
agctctttcc caggtgttga ctccagctcc agcttcagct ccagctccag gtcgggctcc 180
agctccagcc gcagcttagg cagcggaggt tctgtgtccc agttgttttc caatttcacc 240
ggctccgtgg atgaccgtgg gacctgccag tgctctgttt ccctgccaga caccamcttt 300
cccgtggaca gagtggaaac yttgnaatt cacagctcat gttctttctc agaagtttga 360
gaaagaactt tccaaagtga gggaatatgt ccaattaatt agtgtgtatg aaaagaaact 420
gttaaaccta actgtccgaa ttgacatcat ggagaaggat accatttctt acactgaaact 480
ggacttcgag ctgatcaagg tagaagtga ggagatggaa aaactgggtca tacagctgaa 540
ggagmstttt ggtggaagct cagaaattgt tgaccagctg gaggtggaga taagaaatat 600
gactctcttg gtagagaagc ttgagacact agacaaaaac aatgtccttg ccattcgccg 660

agaaatcgtg gctctgaaga ccaagctgaa agagtgtgag gcctctaaag atcaaaacac 720
ccctgtcgtc caccctcctc ccactccagg gagctgtggt catgggtggg tgggtgwacat 780
cagcaaaccg tctgtgggtc agctcaactg gagaggggtt tcttatctat atgggtgcttg 840
gggtagggat tactctcccc agcatccaaa caaaggactg tattgggtgg cgccattgaa 900
tacagatggg agactgttgg agtattatag actgtacaac aactggatg atttgctatt 960
gtatataaat gctcgagagt tgcggatcac ctatggccaa ggtagtggtg cagcagttta 1020
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caccaacacg attgctgtga ctcaaaactct ccctaatagt gcctataata accgcttttm 1140
atatgcta atgtgcttggc aagatattga ctttscgtg gatgagaatg gattgtgggt 1200
tatttattca actgaagcca gcaactggtg catgggtgatt agtaaactca atgacaccac 1260
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gcaggaaaaa gtgcagagca ttaactataa cccttttgac cagaaacttt atgtctataa 1500
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atctgcaggg gtgtctaaaa gtgtgttcat tttgcagcaa tgtttargtg catagttcta 1680
ccacactaga gatctaggac atttgtcttg atttggtgag tctcttgggg atcatctngc 1740
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ncttgngggc ctaatggaac ccttctgtga ngaag 1835

<210> 446

<211> 1355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<400> 446

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agcggagttg gtgggcgcta tgcctatcac cgaggcagag cgagtgtgct ggtaccttgt 120
agaagtggag gagctcgccg aggaggtgct ggcggacaag cggcagattg tggacctgga 180
cactaaaagg aatcagaatc gagagggcct gagggccctg cagaaggatc tcagcctctc 240
tgaagatgtg atggtttgct tcgggaacat gtttatcaag atgcctcac ctgagacaaa 300
ggaaatgatt gaaaaagatc aagatcatct ggataaagaa atagaaaaac tgcggaagca 360
acttaaaagt aaggtcaacc gcctttttga ggcccaaggc aaaccggagc tgaagggttt 420
taacttgaac cccctcaacc aggatgagct taaagctctc aaggtcatct tgaaaggatg 480
agactcaaga accaagatgg gggaccagca acccccagg gtcatggagg acccaggacc 540
ctccaacctt gacacctgta aggacaggat ctgccctgta agggccagcc gtcaggaatc 600
tggecatgaa aacctctttg tagtgcttgg ctactctgtg atggcaggag ggaaccttca 660
gcctgtctgg ctgctggacc tggacaccag ggctcgggtg acacaagatc tattgacggg 720
ccttggttagc caccagtggg tgtgtggggc agtggctgtg ggggtgtaag aatgactgca 780
acaggcactt cccaacaatg gcctgctgtt cacatggacc ctgagcaagg aaggagggag 840
ggagggggcag agtggaggtg cattccagca ttctctcag aaggagagga ggttttcagg 900
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gaatcttggg gctttgtggc tcaccacagc catctgtggg gcaggcacac acacctccc 1020
ccagctccaa ttttgcactt tttccctgct tgattccaag agtaggtgct gcctagcagc 1080
ccttcgtggc cactctttac tcaggagggc cttgcagagt cctgcaccag gcctgggtga 1140

```

gtggatgcgc ctcttaccat atgacacgtg tcaagatgcc cttccgcccc ctctgaaagt 1200
ggggcccggc cagcactgct cgttactgtc tgccttcagt ggtctgaggt cccagtatga 1260
actgccgtga agtcaaaact cttatgtgtt cattaagggc tcaataaatg ttagctgaat 1320
gaawaaaaaa aaaaaaaaaa amawaaaaaa aaaaaa 1355

```

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<210> 447
<211> 375
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

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```

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

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<400> 447
tgcctctgtg tgtgtgcaag acagagagat aggctatttg tcaagtcagc tagttgccta 60
ggtatctttg tctcacatct ggctgtttcc tcctagagaa ccatccagtt ggctttccag 120
gtctggaggt gagctaattg atgagtgaat atnagcagtg ggtgttcctc atctctttga 180
ggatttgcct cagagttcac taccaaggga tttctggaac taggwgccat tctttacatc 240
agttcttgag ggttctttga tatcaggggc aaaatgatcc cttctctttt ctttcttata 300
tcctgtgctt tgnctcctgg gtgatttctc ttcaagtcag ttgtgggagg tgcctaggaa 360
caacgctaac acggg 375

```

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<210> 448
<211> 1393
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (1360)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (1383)
<223> n equals a,t,g, or c

```

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<400> 448
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caagaacgag aagaatgatg gtgcttggtt ggggatgtcc tgtctctctg aactttgggg 120
tcctatgcat taaataattt tcctgacgag ctcaagtgtc ccctctgggc tacaatccct 180
ggcggctggc cttcatccct tgggcaagca ttgcatacag ctcattggcc tccctotacc 240
ataccctcca ccccggttcg cctaagctcc cttctccggg aatttcatca tttcctagaa 300
cagccagaac atttgtgggc tatttctctg ttagtggtta accaaccatc tgttctaaaa 360

```

gaagggctga actgatggaa ggaatgctgt tagcctgaga ctcaggaaga caacttctgc 420
agggtcactc cctggcttct ggaggaaaga gaaggagggc agtgctccag tggtagacaga 480
gtgagacata atggaatcag gcttcacctc caaggacacc tatctaagcc attttaaccc 540
tcgggattac ctgaaaaaat attacaagtt tggttctagg cactctgcag aaagccagat 600
tcttaagcac cttctgaaaa atcttttcaa gatattctgc ctagacgggtg tgaagggaga 660
cctgctgatt gacatcggtc ctggcccccac tatctatcag ctctctctctg cttgtgaatc 720
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gctgaagaaa gagccagagg cctttgactg gtccccagtg gtgacctatg tgtgtgatct 840
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ggtgctgaag tgtgatgtga ctcagagcca gccactgggg gccgtccctt taccctcggc 960
tgactgcgtg ctcagcacac tgtgtctgga tgccgcctgc ccagacctcc ccacctactg 1020
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tgcgctcaag agcagctact acatgattgg tgagcagaag ttctccagcc tccccctggg 1140
ccgggaggca gtagaggctg ctgtgaaaga ggctggctac acaatcgaat ggtttgagg 1200
gatctcgcaa agttattctt ccacctggc caacaacgaa ggacttttct ccctgggtggc 1260
gaggaagctg agcagacccc tgtgatgcct gtgacctcaa ttaaagcaat tcctttgacc 1320
tgtcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1380
aanaaaaaaa aaa 1393

<210> 449

<211> 1663

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<400> 449

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ggacttggag aagttggtga ccagggtaaa agtaggcagc gagccagcaa aagactgttt 120
gccagcaaaq ccctcagagg ccacctcaga ccggtcagag ggcagcagcc gggacgcagn 180
ggtagcgacg agaacgagga gtcgagcgtt gtggattacg tggagggtgac ggtcggggag 240
gaggatgcga tctcagatag atcagatagc tggagtcagg ctgcggcaga aggtgtgtcg 300
gaactggctg aatcagactc cgactgcgtc cctgcagagg ctggccaggc ctagacaggg 360
aagtctgtta gaactgctgt gctgatcaac gggacgctcc gtctttgaag aaagaagaga 420
tggctctctc ccagccatgg gccacccttg ccagtractc caagtggaac tacttagctc 480
gcgtgtgcct ggarggtgcg ggaagtccag cgactctcag acgcacctcc cagaggaccg 540
gtgggaattg ttcatagtgc caaagtccta mtactgcgtt ttcaatgggt ccttgtacat 600
agtttgctcc tctgscctag nectcacctc ttgctatact ggraccgatt tgtacaatgt 660

gggaattttg ttaccytttt aatcaagggc aacttccttt tccagcacta ccattgtaag 720
gttkttttca ggaggaggagg staaccacct tgctttttctc ttttctcttt ttcttttttt 780
tattttttgtt ttattaatttt ggggaaaggg gtgttagcat tagtgccatg atatctactg 840
gatttttaagt agggagactt tattttttaa ggtaggttga aatttgggag atttctcggc 900
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tattgtgaca ttaaaacaac aacaataaga tcttcctatc tggagggtac agaggtgaat 1260
ggctttgggtt ttcatttctc ttcttactg ccttttctcg gtgtggtatt tgacaagatt 1320
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caattttaga tacctgagtg cactttttca gttagtccta acttttataa gaaggaaaac 1440
caagagacat atctggtgta cgtgttgca tatgaactct gggtgcaatc cctccccctc 1500
ccacactgcc ccccatgtga gtacrcgcga caagtcaaac gctaggaagt ttgaataaaa 1560
ccaatttttc taacttggtg ctcatgtgtt gtaactcaat aaagcaaaga ctaaacattt 1620
ttataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1663

<210> 450

<211> 1380

<212> DNA

<213> Homo sapiens

<400> 450

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aaaatgccag gaatgttctt ctctgctaac ccaaaggaat tgaaaggaac cactcattca 120
cttctagacg acaaaatgca aaaaaggagg ccaaagactt ttggaatgga tatgaaagca 180
tacctgagat ctatgatccc acatctggaa tctggaatga aatcttccaa gtccaaggat 240
gtactttctg ctgctgaagt aatgcaatgg tctcaatctc tggaaaaact tcttgccaac 300
caaactggtc aaaatgtctt tggaagtctc ctaaagtctg aattcagtga ggagaatatt 360
gagttctggc tggcttgtga agactataag aaacagagt ctgatctttt gccctgtaaa 420
gcagaagaga tatataaagc atttgtgcat tcagatgctg ctaaacaat caatattgac 480
ttccgcactc gagaatctac agccaagaag attaaagcac caacccccac gtgttttgat 540
gaagcacaaa aagtcataa tactcttatg gaaaaggact cttatcccag gttcctcaaa 600
tcagatatatt acttaaatct tctaaatgac ctgcaggcta atagcctaaa gtgactggtc 660
cctggctgaa gggaattaac agatagtatc aagcgcagaa ggaatgtgcc agtatggctc 720
cctgggtgaa cagcttggcc ttttttgggt gtcttgacag gccaagaaga acaaatgact 780
cagaatggat taacatgaaa gttatccagg cgcagagttg aagaagcata agcaagacaa 840
aaacagagag accgcagaag gaggaagata ctgtggtact gtcataaaaa acagtggagc 900
tctgtattag aaagcccctc agaactggga aggccaggta actctagtta cacagaaact 960
gtgactaaag tctatgaaac tgattacaac agactgtaag aatcaaagtc aactgacatc 1020
tatgctacat attattatat agtttgtact gagctattga agtccatta acttaaagta 1080
tatgttttca aattgccatt gctactattg cttgtcgggtg ttattttatt ttattgtttt 1140
tgactttgga agagatgaac tgtgtattta acttaagcta ttgctcttaa aaccaggagg 1200
tcagaatata tttgtaagtt aaatcattgg tgctaataat aaatgtggat tttgtattaa 1260
aatatataga agcaatttct gtttacatgt ccttgctact tttaaaaact tgcatttatt 1320
cctcagattt taaaaataaa taaataattc atttaaaaaa aaaaaaaaaa aaaactcgag 1380

<210> 451

<211> 926

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (687)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (865)

<223> n equals a,t,g, or c

<400> 451

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gttgcatctt cttgctgtcc tagaaaaaat gatttcacag ggtaacaata acaaaaatgg 60
aaagaatgag actggtaata acaacaacaa agatggatct aatcataaag ctgaaagtgg 120
agctctaata gaagctgcaa aatcaaagat acatcagtac aaagtacgag cttatatcca 180
aatgaagtct ctgaaagcat gtaaaaggga aatcaagtca gtcatgaata cagctggaaa 240
ttccgcaccc tctctctttc ttaaaagcaa ttttgagtac ttaagaggta attatcgaaa 300
agccgtgaag ctattaaata gttcaaacat tgctgagcat ccaggattca tgaaaacagg 360
tgaatgcttg agatgcatgt tctggaataa ccttggttgc atccattttg ccatgagcaa 420
gcacaatttg ggaatattct actttaaaaa ggctctgcaa gagaatgaca atgtctgtgc 480
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<210> 452

<211> 1642

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1608)

<223> n equals a,t,g, or c

<400> 452

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<210> 453

<211> 2254

<212> DNA

<213> Homo sapiens

<400> 453

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<210> 454

<211> 1931

<212> DNA

<213> Homo sapiens

<400> 454

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cggatgctgc tggccctgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1920
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<210> 455

<211> 771

<212> DNA

<213> Homo sapiens

<400> 455

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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg g 771

<210> 456

<211> 1169

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1167)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1169)

<223> n equals a,t,g, or c

<400> 456

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<210> 457

<211> 3249

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3234)

<223> n equals a,t,g, or c

<400> 457

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<210> 458

<211> 1916

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1902)

<223> n equals a,t,g, or c

<400> 458

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<210> 459

<211> 2773

<212> DNA

<213> Homo sapiens

<400> 459

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<210> 460

<211> 2031

<212> DNA

<213> Homo sapiens

<400> 460

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<210> 461

<211> 1839

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1832)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1839)

<223> n equals a,t,g, or c

<400> 461

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<210> 462

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (731)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (737)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (759)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (762)
<223> n equals a,t,g, or c

<400> 462
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<210> 463
<211> 1717
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<400> 463
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cgtggattcc atttgacca gtttactatc agttcagttc aggtagattt ggttcaactt 720
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<210> 464

<211> 828

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (787)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (819)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (827)

<223> n equals a,t,g, or c

<400> 464

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<210> 465

<211> 1173

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1171)

<223> n equals a,t,g, or c

<400> 465

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tccttgcccta gcaaaaaaaaa aaaaangngg ngg 1173

<210> 466

<211> 521

<212> DNA

<213> Homo sapiens

<400> 466

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<210> 467

<211> 1428

<212> DNA

<213> Homo sapiens

<400> 467

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<210> 468

<211> 3463

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1187)

<223> n equals a,t,g, or c

<400> 468

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<210> 469

<211> 621

<212> DNA

<213> Homo sapiens

<400> 469

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<210> 470

<211> 1833

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (126)

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<220>

<221> misc feature

<222> (386)

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<220>

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<222> (524)
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<222> (1798)
<223> n equals a,t,g, or c

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<222> (1812)
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<210> 471
<211> 3202
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3180)
<223> n equals a,t,g, or c

<400> 471
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<210> 472

<211> 941

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (927)

<223> n equals a,t,g, or c

<400> 472

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<210> 473

<211> 1279

400

<212> DNA
<213> Homo sapiens

<220>
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<222> (1144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1273)
<223> n equals a,t,g, or c

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<210> 474
<211> 3209
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

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<211> 833
<212> DNA
<213> Homo sapiens

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<222> (9)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
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<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

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caccttaccg tgaaagtggg gaagcccagt gatgaggagc tgcccttggt tcttgtggag 360
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aatggaaaga gactggaaga tgggaagatg atggcagatt acggcatcag aaagggcaac 540
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tttactaatg tattactgag actagtaaataa aaatttttaa ggcaaaatag agc 833

<210> 476
<211> 1141
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<400> 476

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tgacagcgtt taacaaagct tagagaaacc tccaggagac tgctatcatg gcagagaagc 180
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cagctggagt agagtttgaa gagaaattta taaaatctgc agaagatttg gacaagttaa 300
gaaatgatgg atatttgatg ttccagcaag tgccaatggt tgagattgat gggatgaagc 360
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g 1141
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<210> 477

<211> 1102

<212> DNA

<213> Homo sapiens

<400> 477

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agtcatttgg caagtttggc ctggccttag ctgttgacag aggcgtggtg aactctgcct 180
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aaaaaaaaacc ccgggggggg gc 1102

<210> 478
<211> 4201
<212> DNA
<213> Homo sapiens

<220>
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<222> (4077)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4186)
<223> n equals a,t,g, or c

<400> 478
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<210> 479

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (780)

<223> n equals a,t,g, or c

<400> 479

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tggaggttgt agtaccgccc ccagagccaa ttttccactt ccgcktccgg cgctgcggca 180
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aagtatatgg gaccttaage tcaccttctt tacttgatc aaatgatgac tggatactg 660
gtctcccatc cctttgcttg tggcaggaga tggcttaaat aaataactta aayttaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaactn 780
ggggccg                                           787
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<210> 480

<211> 731

<212> DNA

<213> Homo sapiens

<400> 480

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ccccagcag cccctccacc cctgcatgtt ccgctggcc actgcctact ccacgctcca 180
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aaaaaaaaaa a                                           731
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<210> 481

<211> 1119

<212> DNA

<213> Homo sapiens

<400> 481

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<210> 482

<211> 2056

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<400> 482

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<210> 483

<211> 887

<212> DNA

<213> Homo sapiens

<400> 483

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<210> 484

<211> 1878

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1446)

<223> n equals a,t,g, or c

<400> 484

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<210> 485

<211> 1566

<212> DNA

<213> Homo sapiens

<400> 485

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<210> 486

<211> 3046

<212> DNA

<213> Homo sapiens

<400> 486

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<210> 487

<211> 1904

<212> DNA

<213> Homo sapiens

<400> 487

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<210> 488

<211> 827

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (826)

<223> n equals a,t,g, or c

<400> 488

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaana 827

<210> 489

<211> 1926

<212> DNA

<213> Homo sapiens

<400> 489

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<211> 1461

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1452)

<223> n equals a,t,g, or c

<400> 490

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<212> DNA

<213> Homo sapiens

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<400> 491

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<210> 492

<211> 2269

<212> DNA

<213> Homo sapiens

<400> 492

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<210> 493

<211> 4108

<212> DNA

<213> Homo sapiens

<400> 493

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<210> 494

<211> 2209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (352)

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<400> 494

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<210> 495

<211> 1677

<212> DNA

<213> Homo sapiens

<400> 495

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ttgtacaaaa aaaaccactc ttgaactttg agggtttctg ttctaggagt ggactagaag 1620
tttaagccca gagtcagtaa acactgtttt gaagtccaaa aaaaaaaaaa aaaaaaa 1677
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<210> 496

<211> 1702

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1691)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1701)
<223> n equals a,t,g, or c

<400> 496
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cagaggctaa gacccatccc gtatctgctc tcttgaaata attctggagt catgcctgaa 180
atgccagagg acatggagca ggaggaagtt aacatcccta ataggagggg tctgggttact 240
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gcagagagaa gaccagatgt tgtagaaaat cagccagatg ctgcctctca acttaattgtg 480
gatgcttctg ggaatttagc aaaggaagca gctgctgttg gagcatttct catctacatt 540
agctcagatt atgtatttga tggaacaaat ccaccttaca gagaggaaga cataccagct 600
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<210> 497
<211> 2376
<212> DNA
<213> Homo sapiens

<220>
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<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2376)
<223> n equals a,t,g, or c

<400> 497
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agatgaattc cgtggttgct ctogatcttg caatttccaa ggagacggat gctttccaac 120
cccacaagca gacccggtg tatggcatca ccacggccct gtctcagtgt ccgcaagcca 180
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caggacctgc cgttgccctg acaacacctt gggagttgac tgtatcgaac agaaatgaag 300
acaagagtgc cttatttctt ttccaagtat ttcacagcaa caywytactt gaagcaactt 360
ggtccagatt gaaaagtgtc ctctggctga gtggccacta ggcccagacc cagcccagcc 420
tgagcccca caacttttcc ctcaactgtt cccaaaacat gcacctgga cttctctaata 480
agaaaagtct ccaccttac acaaggacag aacctccac ccctacccc aacctcaga 540
cagacttata caccctgag tgaggattac atgccatcc cagtgtccta ggacctttc 600
ccaatactag ccccccagtg gtgaacagaa cctcccaaat ttgagttgca ccttccctg 660
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aaccactgaa ggtgcttatt aactgttctc ccagatttgt acaagtattg gatgattcct 2280
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2376

<210> 498

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (840)

<223> n equals a,t,g, or c

<400> 498

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gaagatggcg gtggagtgcg gcgttaccca ggaggaaatt aagaaggagc cagagaaacc 120
gatcgaccgc gagaagacat gcccaactgtt gctacgggtc ttcaccacca ataacggccg 180
ccaccaccga atggacgagt tctcccgggg aaatgtaccg tccagcgagt tgcagatcta 240
cacttggtatg gatgcaacyt tgaaagaact gacaagctta gtaaaagaag tctaccaga 300
agctagaaag aagggcactc acttcaattt tgcaatogtt ttacagatg ttaaaagacc 360
tggctatcga gttaaggaga ttggcagcac catgtctggc agaaagggga ctgatgattc 420
catgaccctg cagtcgcaga agttccagat aggagattac ttggacatag caattacccc 480
tccaaatcgg gcaccacctc cttcaggcg catgagacca tattaaattc tatttactat 540
ttgttgaatt tatttttccg tcagttatgt aaaataaaca tactcttctt cctcccctga 600
ttattgccat taagccttta aattctaaac aaattataat gcatcatcta tttaggagtt 660
agatttggat gtgctattgt atgattacga atagtctgta tgtttcaagc ctttctgtaa 720
aatatgaaga aaagtgtctt tagcattctg tgtaaaactg tactgttaaa tatatgtgtg 780
taatcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 840
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<210> 499

<211> 461

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (452)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (455)

<223> n equals a,t,g, or c

<400> 499

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cgccatgtct tctcacaaga ctttcaggat taagcgattc ctggccaaga aacaaaagca 120
aaatcgtccc attccccagt ggattcggat gaaaactgga aataaaatca ggtacaactc 180
caaaaggaga cattggagaa gaaccaagct gggctctataa ggaattgcac atgagatggc 240
acacatattt atgctgtctg aaggtcacga tcatgttacc atatcaagct gaaaatgtca 300
ccactatctg gagatttcga cgtgttttcc tctctgaatc tgttatgaac acgttggttg 360
gctggattca gtaataaata tgtaaggcct ttcyttttta aaaaaaaaaa aaaaacyyrr 420
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422

ggggggggccc gggtcccaat cccccctatt tnaanccct t

461

<210> 500

<211> 2782

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2620)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2641)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2643)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2712)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2742)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2759)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2779)

<223> n equals a,t,g, or c

<400> 500

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aagaagttca agtacggtat tgaagagcat ggtaaggatga aaatgagagg ggggttgctg 120
cgaacctaca tcatcagtat cctcttcaag tctatctttg aggtggcctt cttgctgata 180
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tcaccaaccg ctcccctctc gcctatgtct cctcctgggt acaagctggg tactggcgac 540
agaaacaatt cttcttgccg caattacaac aagcaagcaa gtgagcaaaa ctgggctaata 600
tacagtgcag aacaaaatcg aatggggcag gcgggaagca ccattctctaa ctcccatgca 660
cagccttttg atttccccga tgataaccag aattctaaaa aactagctgc tggacatgaa 720
ttacagccac tagccattgt ggaccagcga ccttcaagca gagccagcag tcgtgccagc 780
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ngncatttgt ttaaagtcag aggattatct aaaagccagt ttcccagtc aattggatat 2700
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ggaagaaggc aaatgcttng gg 2782

<210> 501

<211> 1249

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<400> 501

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agtttttgat cctgttgaac ccgcctgaga cgggtgctgtg aggggaaagc cttccgcacc 180
cacacaggaa ttctgtgag gtccccctc cttccggcca atggcagaag tgggggaaaa 240
tttttagaag aaaagcaaac atgtgagacc aatcattatc aaatactttt attttttggt 300
tgagtattta tctttttatt ttttattttt ttttttgaaa gaatgtcttg gaatgcgcaa 360
gtctcccttt agagccgtct tttgcaggga gcgggaagtg acaagagctc agatctccct 420
ccgatctcc ctccccacct ccgaagtctc ctccgtggac cacaggtgga tctttgtgcg 480
aacaacttgc atttcggaag ccactgtccg tctttaaaca gaaagtcgaa ggagccacga 540
agcaagcggc cgtccggggc tccgctgcc gtccccttcc atgttcctcc tcttccttcg 600
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ttaaaattgt atcaactaga aataaaattg catgagtatt ttaaaaaaa 1249

<210> 502

<211> 1358

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1351)

<223> n equals a,t,g, or c

<400> 502

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tatccacttt tctyggataa tcaggagggtg cccagtsgt cacagtgtgg cattccgagt 120
tggggcgggt ggtcgggtca agatagcagc agcagggtgc agggctcaag acaccacccc 180

ctccagcttc tggggcccag gagcctctcc ctgctacagg ggggtgggggt cctgctcagc 240
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agggtgccc ccaggcccat gaagccaata ggagagcgtg tggcactggc ccacaaactg 600
tccctgtcct gtcttcctcc cgagccatgg cctctgctag ctccaccttg aaggagcccc 660
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ccaccgggt tccgcactgt ccgaccctg cacaccactc atgtcaccac ggcgtgcac 780
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gaggctggag ggcagggagg gatcactttg gagcccaggg agattggagg gctggcagtg 1260
gagccatgga tccggcggac actggcactt ccagcctggg ggtggacggg tggagacttt 1320
tgttctccaa aaanaaaaaa aaaaaancnt nggagggc 1358

<210> 503

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (492)

<223> n equals a,t,g, or c

<400> 503

gcccacgcgt ccgacggctg cgagaagacg acagaagggg ctttctttct ttccgcgccg 60
atagcgctca cgcaagcatg gttaacgtcc ctaaaacccg ccggactttc tgtaagaagt 120
gtggcaagca ccaaccccat aaagtgcac agtacaagaa gggcaaggat tctctgtacg 180
cccaggga aa ggcggttat gacaggaagc agagtggcta tgggtggcaa actaagccga 240
ttttccggaa aaaggctaaa actacaaaga agattgtgct aaggcttgag tgcgttgagc 300
ccaactgcag atctaagaga atgctggcta ttaaaagatg caagcatttt gaactgggag 360
gagataagaa gagaaagggc caagtgatcc agttctaagt gtcacttttt attatgaaga 420
caataaaatc ttgagtttat gttcaaaaaa aaaaaanggg gggggcccgg taccawtcg 480
cctatagggg gncgttttaa a 501

<210> 504

<211> 2011

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (1941)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1961)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1974)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1976)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2002)
<223> n equals a,t,g, or c

<400> 504
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agaatcattg agggccttatt ttgtatacca actgctaaac tagatgcttc atacattgtt 180
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agggatctta tcacttcact tccacactaa aatgtttttc ctgggggaac cacacttcct 1920
tagcaatctg acccatcaga nctttccagg ctgtctcctg nctgggtccc taangntccc 1980
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<210> 505

<211> 1989

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1917)

<223> n equals a,t,g, or c

<400> 505

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agcagctgca gctctcgccg ctgaaggggc tcagcttggt cgacaaggag aacacgccgc 180
cggccctgag cgggacccgc gtcctggcca gcaagaccgc gaggaggatc ttccaggagc 240
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agaaggcaga ggcttccttt tggaccgccc aggaggtgga cctctccaag gacattcagc 420
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cagcaagcga tggcatagta aatgaaaact tgggtggagcg atttagccaa gaagttcaga 540
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ttaatgaatt aaaatatttg ttaaccaact ttaaagtcag tcctgtgtat acctagatat 1860
tagtcagttg gtgccagata gaagacaggt tgtgttttta tcctgtggct tgtgtantgt 1920
cctgggattc tctgcccccy ctgagtarag tgttgtgggr taaaggaatc tytcaggggc 1980
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<210> 506

<211> 1085

<212> DNA

<213> Homo sapiens

<400> 506

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ggaatgacat cttacgcaaa aagggtatct tccccccaa ggaaagtctg aaagaattgg 180
aagaggaggc agaagaggag cagcgcatcc tcagcagtc agtgggtgaaa acatatgaag 240
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ctattgaaat gtacagacgg cggagactgg ctgagtggaa agcaactaaa ctgaagaata 360
aattyggaga agttttggag atctcaggga aggattatgt tcaagaagtt accaaagctg 420
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caagagatga gttggaatgg aaactgtctg aatctggagc aattatgaca gacctggagg 720
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tgaagaggga cagcgattcc gagggtgact gaggctacag cttctatcac atgccgaact 840
ttcttgtgac aaattgtctg gatttttttaaaa aaaggaaaaa agcaagaatg aatccttgtg 900
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aaaattaaaa ccagccattt gtatggcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaaa 1085

<210> 507

<211> 1485

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (570)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1476)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1485)
<223> n equals a,t,g, or c

<400> 507
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cagacctgcg gaaaaaaaaa aaaaaaaaaa aaacnngggg ggggn 1485

<210> 508
<211> 1930
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<400> 508
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ttatttgtaa aaagatgagg acacacatta artgawgtca gcatttttagt aaacttttag 120
acaaaatttg ttagggcat tcatgaaaac tttaatacta aaagcacttt ccattatata 180
ctttttaaaag gtctagataa ttttgaacca atttattatt gtgtactgag gagaaataat 240
gtatagtaga ggacagcctt ggtttgtaaa gctcagttcc actagttcat ggttttgtgc 300
aacttctgag cctcagtttt ctcccttgca aattaataat tacatacctt tatagatttt 360
gaaattaatt taaatattag tatttggtac atgaaggctt aatgttaagt ttcccttaat 420

gatccacaat aatccctttg atcacgttaa tctaaatcta gatgtctttg tctaattttt 480
tttgaatagc agttataaat gtaaaggact caaagtttaa gtaaaaagtg atactccacc 540
ttgtgtttca aagaatttag ttccacctct tcataccagt ttaacactta atatatattca 600
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ctaaatgtta aactattacc acacagccca taaaacagca tttgcgttta ttgagagaga 840
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gccatacatg ttaatatctt acattcttgc ttccctaaat taatatgttt gtgtgtatat 1860
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<210> 509

<211> 1134

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1041)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1064)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1090)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1106)

<223> n equals a,t,g, or c

<400> 509

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tctcgtctag ggggtgatga agatggttat gaagaagaag aagatgagaa cagtagacag 240
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<210> 510

<211> 1382

<212> DNA

<213> Homo sapiens

<400> 510

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tcagccacaa tgatgtagcc tcttttcctt tccatccaca gggcacctgg cctgggtgga 180
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<210> 511

<211> 1741

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1696)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1710)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1715)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1717)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1720)

<223> n equals a,t,g, or c

<400> 511

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<210> 512

<211> 1530

<212> DNA

<213> Homo sapiens

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<222> (1488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1508)

<223> n equals a,t,g, or c

<400> 512

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<211> 2999

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<213> Homo sapiens

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<220>

<221> misc feature

<222> (2996)

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<211> 2048

<212> DNA

<213> Homo sapiens

<400> 514

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<210> 515

<211> 3300

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c

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<210> 516

<211> 3425

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (402)

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ggggc 3425

<210> 517

<211> 1358

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1356)

<223> n equals a,t,g, or c

<400> 517

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taaatacata tagctctttc atgtctaaaa ccattttatg atattgcaa aatgtgatag 240
gaaacctact cattaaattg ttaaactttt taatgactat gtgaagatat gaattgtttc 300
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gaatctgctg cttgttggtt cagtgtttct tatgaacaag agccacagta cagagcttca 480
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taaaaaaaaa aaaaaaaaaa aaaagnagga aagaanag 1358

<210> 518

<211> 1368

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1347)

<223> n equals a,t,g, or c

<400> 518

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tctggaagat caagaagctc attaagagct tggaggcggc ccgcggcaat ggcaccagca 240
tgatatcatt gatcattcct cccaaagacc agatttcacg agtggaacaa atgttagcgg 300

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caattaattc ccnanaaagg ggtcaanttt ggaaaagaat tgggggaa 1368
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<210> 519

<211> 933

<212> DNA

<213> Homo sapiens

<400> 519

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cattagagat ttcttctgga aaactggaaa caagataggg tttaaaccag caggaggcat 180
ccgcagtgca aaggattccc ttgcttggct ctctcttgta aaggaggagc ttggagatga 240
gtggctgaag ccagaactct ttogaatagg tgccagtact ctgctctcgg acattgagag 300
gcagatttac catcatgtga ctggaagata tgcagcttat catgatcttc caatgtctta 360
aatcagtcac cagttccaga aaagttcttt acgacaatgt ttaaaaatta tttttctacg 420
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<210> 520

<211> 1430

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1428)
<223> n equals a,t,g, or c

<400> 520
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tcacgcagga tagtaattat ttgttaaccg ggggacagga taaactgtta cgcataatg 180
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<210> 521
<211> 1169
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1166)
<223> n equals a,t,g, or c

<400> 521

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gagggggcctt tggtgaccgt ggtggtcgtg gaggcgagg gggctttggc gggggccgag 180
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<210> 522

<211> 2162

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (169)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2139)

<223> n equals a,t,g, or c

<400> 522

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cgcccacagc cgcccagcgg cgcccagaga gcgcgcgccc cgcagccccg cgccatagcc 120
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gccgggcatg gggcgcgcg gggcgcgctga agccccggcc tggccccggnc gcacccggcc 180
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<210> 523

<211> 799

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (758)

<223> n equals a,t,g, or c

<400> 523

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aattgccttt gtttctcgt ttggtaacat cttcccgct caggatattc ccgccttgaa 300
gagtttaaaa ggcaatccta taatctaact ctggctaccc attctggacc cctccatgc 360
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gaggtgccc attgggttt 799
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<210> 524

<211> 1722

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<400> 524

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yacagatggg accatgaact ccggacacag cttcagccag acccctcgg cctccttcca 180
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caacatgaag ctggaaagcc gcaccttgaa atggcaccag cagagagatc ctggcagtaa 480
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yttcaacctc aagwtgaaa atgaacactc ctttaaaaaa gacttgaaa ttgaagtcsa 660
gggcctccga aggaccttag acaacctgac cattgtcaca acagacctag aacaggaggt 720
ggaaggaatg aggaaagagc tcattctcat gaagaagcac catgagcagg aaatggagaa 780
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<210> 525

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (515)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (557)

<223> n equals a,t,g, or c

<400> 525

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<210> 526

<211> 2023

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<400> 526

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<210> 527

<211> 2847

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (286)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2842)

<223> n equals a,t,g, or c

<400> 527

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tgtaaattgg cttttaatta attaaaaaga aattagtcag ctacaagcat gaacatgtgg 180
aacgcttacc tttgtactag gcgtttttgt ttttgtttta atggcttttg gaatattata 240
gtattaacat ctggaaaact aggtaaattt atcttagaat taagtnttn gctccttttt 300
tgcagaaaaa gaacagcaag aagcgattga acacattgat gaagtacaaa atgaaataga 360
cagacttaat gaacaagcca gtgaggagat tttgaaagta gaacagaaat ataacaaact 420
ccgccaacca ttttttcaga agaggtcaga attgatcgcc aaaatcccaa atttttgggt 480
aacaacattt gtcaaccatc cacaagtgtc tgcactgctt ggggaggaag atgaagaggc 540
actgcattat ttgaccagag ttgaagtga agaatttgaa gatattaaat caggttacag 600
aatagatttt tattttgatg aaaatcctta ctttgaaaat aaagttctct ccaaagaatt 660
tcatctgaat gagagtgggt atccatcttc gaagtccacc gaaatcaaat ggaaatctgg 720
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<210> 528

<211> 816

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<400> 528

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ttttccccgg cgcccaatgc gagggagacg aaantatgta aatgagtggg ttctggctga 120
gctatcctat tggctatcgg gacaaaattt gcttgagcca atccaaagtg ctccgtggac 180
aatcgccgtt ctgtctataa aaagggtgaag cagcggcgtt ttccggcgact ttcccgatcg 240
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gaggcaaggc ccgcgccaaag gccaaagtcgc gctcgtcccg cgtcggcctt cagttccccg 360
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ccgtctacat ggctgcggtc ctcgagtatc tgaccgccga gatcctggag ctggcgggca 480
acgcggctcg ggacaacaag aagacgcgca tcatccctcg tcacctccag ctggccatcc 540
gcaacgacga ggaactgaac aagctgctgg gcaaagtcac catcgcccag ggcggcgtct 600
tgccatacat ccaggccgta ctgctcccta agaagacgga gagtccacc aaggcaaagg 660
gcaagtgagg ctgacgtccg cccaagtggc ccagcccggc ccgcgtctcg aaggggcacc 720
tgtgaactca aaaggctctt ttcagagcca cccacgtttt caaataaaag agttgttaat 780
gctggcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 816
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<210> 529

<211> 885

<212> DNA

<213> Homo sapiens

<400> 529
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atcgtgcgcc gagggccgcg aggggtcgcc gccagatcc caccagccag caagctaaag 180
catggcggcc atccctcca gcggctcgt cgtggccacc cagactact accggcgccg 240
cctgggttcc acttccagca acagctcctg cagcagtacc gagtgcctcg gggaagccat 300
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cggaagtc accctccgt tcatggccac ggtgttgag tccgcagagc actcggaacc 420
tcccagggc tccagcagca tgaccgctg tggcctggct cgggacgcc cgaggaagca 480
gcccggcggt cagtccagca cagccagcgc tgggcccccg tcctgacctg agcggttacc 540
accagcccca ggcctgcgga ggcgctagtc caccagagcc cctycccccc cctctcccca 600
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caagcggaata ataaactcca agcagccagt agccccgatg gtgtgtgcct gagctgtgtg 840
gcccagaggtt ccaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa 885

<210> 530

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (693)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (695)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (715)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (730)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (741)

<223> n equals a,t,g, or c

<400> 530

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aagggtacagg cctcagggtc cctgctgtag acggggcggg ggagagtacg atgggtgggg 120

451

cgtggtgggt cgtagggcgc tcgagatgga gccccagct tccttgatgg atcgcggggc 180
gcgagtgcc tagacaagcc ggagctggga ccggcaatcg ggcgttgatc cttgtcacct 240
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<210> 531

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (502)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (510)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 531

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cgarcctcgg gtggtcctca gggaggggtct ctcgccaga acacgtggat gccacccac 120
cactgagcct catggagggt gtaacatttg gcgatgtggc tgtgcacttc tctcgggagg 180
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caargacctc caagacaggt gaggttaga tcccatcgca gagaagccct ggggtgarga 420
gaaactkcar gaggggctca caactgtrgg tagctgtagg tgartcgcg gggctacact 480
kggatgcctg ggaatgctac tnggggaaan cagcatccaa canct 525

<210> 532

<211> 1925

<212> DNA

<213> Homo sapiens

<400> 532

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aagatggact ctactctaac agcaagtga atccggcagc gatttataga tttcttcaag 180
aggaacgagc atacgtatgt tcactcgtct gccaccatcc cattggatga cccactttg 240
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg 1920
ggggg 1925

<210> 533

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (482)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (487)

<223> n equals a,t,g, or c

<400> 533

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aagctgaacg accgcctggc ctcttacctg gacaaaatga aggagcctgg agaccgagaa 420
accggaggct ggaaagcaaa aaccggggag cactttggag aagaagganc ccaggtcaga 480
gncgtgnagc cattaattca ag 502
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<210> 534

<211> 1800

<212> DNA

<213> Homo sapiens

<400> 534

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<210> 535

<211> 2497

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2467)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2487)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2493)

<223> n equals a,t,g, or c

<400> 535

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<210> 536

<211> 4090

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (535)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2475)

<223> n equals a,t,g, or c

<400> 536

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<210> 537

<211> 586

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<400> 537

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<210> 538

<211> 1250

<212> DNA

<213> Homo sapiens

<400> 538

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<210> 539

<211> 1350

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1349)

<223> n equals a,t,g, or c

<400> 539

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<210> 540

<211> 2509

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<400> 540

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<210> 541

<211> 1743

<212> DNA

<213> Homo sapiens

<400> 541

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<210> 542

<211> 2210

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<400> 542

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<210> 543

<211> 1715

<212> DNA

<213> Homo sapiens

<400> 543

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<210> 544

<211> 3109

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1011)

<223> n equals a,t,g, or c

<400> 544

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<210> 545

<211> 1176

<212> DNA

<213> Homo sapiens

<400> 545

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<210> 546

<211> 1735

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<400> 546

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<210> 547

<211> 1048

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1043)

<223> n equals a,t,g, or c

<400> 547

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<210> 548

<211> 736

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (719)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (724)
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<220>
<221> misc feature
<222> (727)
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<220>
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<222> (734)
<223> n equals a,t,g, or c

<400> 548
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<211> 2231
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<213> Homo sapiens

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<222> (2224)
<223> n equals a,t,g, or c

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<211> 1816

<212> DNA

<213> Homo sapiens

<400> 550

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<211> 2610

<212> DNA

<213> Homo sapiens

<400> 551

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<211> 4021

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4000)

<223> n equals a,t,g, or c

<400> 552

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<211> 1780

<212> DNA

<213> Homo sapiens

<400> 553

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<211> 3713

<212> DNA

<213> Homo sapiens

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<222> (3006)

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<210> 555

<211> 1997

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (1887)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1951)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1980)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1992)

<223> n equals a,t,g, or c

<400> 555

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<210> 556

<211> 906

<212> DNA

<213> Homo sapiens

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<222> (879)

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<221> misc feature

<222> (906)

<223> n equals a,t,g, or c

<400> 556

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<210> 557

<211> 3484

<212> DNA

<213> Homo sapiens

<400> 557

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<210> 558

<211> 790

<212> DNA

<213> Homo sapiens

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<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (788)

<223> n equals a,t,g, or c

<400> 558

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<210> 559

<211> 558

<212> DNA

<213> Homo sapiens

<400> 559

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<211> 534

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

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<210> 561

<211> 3043

<212> DNA

<213> Homo sapiens

<220>
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<222> (3038)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3039)
<223> n equals a,t,g, or c

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<210> 562

<211> 1386

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<400> 562

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<210> 563

<211> 2638

<212> DNA

<213> Homo sapiens

<400> 563

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<211> 691

<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (650)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (653)
<223> n equals a,t,g, or c

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<210> 565
<211> 1967
<212> DNA
<213> Homo sapiens

<400> 565

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<210> 566

<211> 1334

<212> DNA

<213> Homo sapiens

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<222> (1253)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1307)

<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
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<222> (1312)
<223> n equals a,t,g, or c

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<210> 567
<211> 1610
<212> DNA
<213> Homo sapiens

<400> 567
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<211> 1412

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (1018)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1037)

<223> n equals a,t,g, or c

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<211> 1125

<212> DNA

<213> Homo sapiens

<400> 569

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<210> 570

<211> 1916

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1899)

<223> n equals a,t,g, or c

<400> 570

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<210> 571

<211> 1253

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1212)

<223> n equals a,t,g, or c

<400> 571

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<210> 572

<211> 2013

<212> DNA

<213> Homo sapiens

<400> 572

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<210> 573

<211> 669

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (631)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (638)

<223> n equals a,t,g, or c

<400> 573

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<210> 574

<211> 2432

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2326)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2367)

<223> n equals a,t,g, or c

<400> 574

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<210> 575

<211> 1372

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1370)

<223> n equals a,t,g, or c

<400> 575

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<210> 576

<211> 2020

<212> DNA

<213> Homo sapiens

<400> 576

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<210> 577

<211> 3161

<212> DNA

<213> Homo sapiens

<400> 577

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<210> 578

<211> 2046

<212> DNA

<213> Homo sapiens

<400> 578

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<210> 579

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (241)

<223> n equals a,t,g, or c

<400> 579

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tg                                     302
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<210> 580

<211> 3067

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1808)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2945)

<223> n equals a,t,g, or c

<400> 580

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<210> 581

<211> 1574

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

<400> 581

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<210> 582

<211> 960

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (924)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (937)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (939)

<223> n equals a,t,g, or c

<400> 582

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<210> 583

<211> 541

<212> DNA

<213> Homo sapiens

<400> 583

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<210> 584

<211> 2968

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1437)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2961)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2964)
<223> n equals a,t,g, or c

<400> 584
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<211> 2608

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<400> 585

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<210> 586

<211> 1893

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1184)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1865)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1883)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1887)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1893)

<223> n equals a,t,g, or c

<400> 586

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<210> 587

<211> 2463

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2413)

<223> n equals a,t,g, or c

<400> 587

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<210> 588

<211> 1945

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1240)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1939)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (1945)

<223> n equals a,t,g, or c

<400> 588

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<210> 589

<211> 816

<212> DNA

<213> Homo sapiens

<400> 589

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<210> 590

<211> 2307

<212> DNA

<213> Homo sapiens

<400> 590

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<210> 591
<211> 1438
<212> DNA
<213> Homo sapiens

<400> 591
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<210> 592
<211> 1078
<212> DNA
<213> Homo sapiens

<400> 592
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<210> 593

<211> 2492

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2452)

<223> n equals a,t,g, or c

<400> 593

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<210> 594

<211> 1904

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1878)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1893)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1895)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1903)

<223> n equals a,t,g, or c

<400> 594

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aaaaaaaaaa aaaaaaanag gggggggccc ccnanggggc ccna 1904
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<210> 595

<211> 337

<212> DNA

<213> Homo sapiens

<400> 595

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aggaggtctc caggacggac ttcagatcac tgtcaatggg accgtttctca gctccagtgg 240
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ggtgtgcaca gcaggcagaa cggaagctgg gggggccc 337
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<210> 596

<211> 1288

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1283)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1285)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (1287)
<223> n equals a,t,g, or c

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<210> 597
<211> 1052
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (937)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (943)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (995)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1004)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1009)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1040)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1051)

<223> n equals a,t,g, or c

<400> 597

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<210> 598

<211> 2093

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (969)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1422)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1481)
<223> n equals a,t,g, or c

<400> 598
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ctctcaggag gttagttagt aggagattct gccttggtct gatgagcctg tgcaggggct 960
ccagggganc atgctgtcca gggggcacag aagggtgggt agtgtgatca aatctagtct 1020
cactcccaact ttttagtctc actcctactt ttgtccacca cccctgcctc ctggatcttc 1080
tcccactttt tttttcagct ttaggacctg gggagatcct gtgagtcaag gcagacaccc 1140
aatcctgccc ccacactcgg ggtcctccaa gaggttgggg ggcagagtc cagagcagcc 1200
ctttacccca ggtccaggcc ctggaatcct gagactcgcg tttccttggc cagtggtaac 1260
acaggacgtg tgtgcgcacg tgcaagtgtg gatgtatgtg tgtgcgtgtg ttttgctcat 1320
ttcttttaggg aacttgggag tcgggggttg aggtgctggg caatgggaact tcaaattcaa 1380
tgtcgcgccag cagtgagggg agtcgggagg tgaggcctgt angcnaacca attggtggag 1440
tctcagcgat acccaggtga gaagtgggtc acccagaggg ncagggtggg ggcctcgggc 1500
agatctgtcc ctcttggccc ctctgtcctc aaatgtccaa aatgttggag gacctctgtt 1560
catatcccac gcctgggctc ttgccagcag tggagttact gtagagggat gtcccaagct 1620
tgttttccaa tcagtgttaa gctgtttgaa actctcctgt gtctgtgttt tgtttgtgcg 1680
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gacccatcat tgagaacaaa tgtaagaaat cccttcccac caccctcctt gcctcccagg 1800
ccctctgcgg gggaaacaag atcaccagc atccttcccc accccagctg tgtatttata 1860
tagatggaaa tatactttat attttgtatc atcgtgccta tagccgctgc caccgtgtat 1920
aaatcctggt gtmgtctcct tatcctggac atgaatgtat tgtacactga cgcgtcccca 1980
ctcctgtaca gctgctttgt ttctttgcaa tgcattgtat ggctttataa atgataaagt 2040
taaagaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 2093

<210> 599
<211> 562
<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (383)

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<220>

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<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (524)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (561)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (562)

<223> n equals a,t,g, or c

<400> 599

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ctgaggccac aggcacacac cgccacacct ggctaatttt tattattttt tttgtagaga 120
cgaggtctca ctatgccag gttggtctca aactcctgtg ctcaagcaat cctcccatct 180

tggctcccta agtgctggga ttatagggcat gagccaccgt gcccggcctc atgtctgcat 240
gttaaaagtt ctgagaattc ctatggaaaa taaatttgac ttgcttaat gcagttcctc 300
taaaacttact taattccttt ttcttttttt ctttactatt tattaattnt tctcttttct 360
cagaccttgc agggatgaaa ggnccctttt tctcaaaacc ctcttatgat ctctacactc 420
tgcaagggtc tctgaangac agcangctga gaaaggccga tcctaacact tanccttttg 480
aagacacttt taaaactggt aacagtattt atagctttaa aagnacccat gggtcttaag 540
gcccggttant aaaaaaaaaa nn 562

<210> 600

<211> 528

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

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<222> (104)

<223> n equals a,t,g, or c

<220>

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<222> (417)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (493)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (507)

<223> n equals a,t,g, or c

<400> 600

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gccgctctag aactagtgga tcccccgggc tgcaggaatt cggnacgagg gaggetgagg 120
ctggagtgca gtggtgtgat ctgggtcac tgcaacctct gcctcccagg ttccagcaat 180
tctcctgcct cagcctccct agtggctggg atgacaggcg cctgccatca tgctgacta 240
gtttttgtat ttttagtaga gacggcggtt caccatggtg gccaggctgg tctcaaactc 300
ctgacctcag gtgatccgcc tacctcagcc tcccaaagtg ctggggattac aggcgtgatc 360
caccacacct ggcccttgca atcttctact ttaaggtttg cagagataaa ccaatanatc 420
cacaccgtac atctgcaata tganttcaag aaaggaanta gtaccttcaa tacttaaaaa 480
tagtcttcca canaaaatac tttattnctg atctatacaa attttcag 528
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<210> 601

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (185)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (199)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (250)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (306)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (389)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (413)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (444)
 <223> n equals a,t,g, or c

<220>
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 <222> (450)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (468)
 <223> n equals a,t,g, or c

<400> 601
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 atattttgcg agtactcaac accaaccatcg atgggcggcg gaaaatagcc tttgccatca 120
 ctgccattaa ggggtgtgggc cgaanatatg ctcattgtgn gttgaggaaa gnanacattg 180
 acctnaccaa nagggcggna gaactcactg angatgangt ggaacgtgtg atcaccatta 240
 tgcagaatcn acgccagtac aagatcccag actgggttctt gaacagacag aatgatngta 300
 angatnaatc tacttcaagc taacatgcta tcattttctac nttgagtact gctaagggtt 360
 ctttccacaa cttgtacaca atggttattna ctgcccagtt tataatttcc ctnttggttc 420
 ccattttaag acttatttaa ttantatgcn ttttaaattt ttgagacontg ataga 475

<210> 602
 <211> 288
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (84)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (100)
 <223> n equals a,t,g, or c

<400> 602

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cctgtccctg gactctggaa tgtntggctg aagttgaggn tctcttactc tctaggccac 120
ggaattaacc cgagcaggca tggaggcctc tgctctcacc tcatcagcag tgaccagtgt 180
ggccaaagtg gtcagggtgg cctctggctc tgccgtagtt ttgcccctgg ccaggattgc 240
tacagttgtg attggaggag ttgtggccat ggcggtctgt cccatggt 288
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<210> 603

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<400> 603

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ggcgccccgg agagctcttg cgcgtcttgt tcttgccctg tgtcggtggt tagtttctgc 60
gacttggtgtt gggactgctg ataggaagat gtcttcagga aatgctaaaa ttgggcaccc 120
tgcccccaac ttcaaagcca cagctgttat gccagatggt cagtttaaag atatcagcct 180
gtctgactac aaaaggaaaa tatgttggtgt tcttctttta cctctttgac ttcacctttg 240
tgtgccccac ggagatcatt gctttcagtg atagggcaga agaatttaag aaactcaact 300
gccaagtgat tgggtgcttct gtggattctc acttctgtca tctagcatgg gtcaatacac 360
ctaanaaaca aggaggactg ggacccatga acattccttt ggtatcanac ccaacncaca 420
nttgntcagg at 432
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<210> 604

<211> 371

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<400> 604
atttagtgatg ataaggagaa gaacctgctg catgtcacag acaccgggtg aggaatgacc 60
agagaagagt tgggttaaaaa ccttggtacc atagccaaat ctgggacaag cgagttttta 120
aacaaaatga ctgaagcaca ggaagatggc cagtcaactt ctgatttgat tggccagttt 180
ggtgtcgggtt tctattccgc cttccttgta gcagataagg ttattgtcac ttcaaaacac 240
aacaacgata cccagcacat ctgggagtct gactccaatg anttttctgt naattgctga 300
cccaagaggg aaacactcta ggacggggga acgacaattt acgtggagta tggaccaatt 360
tccttattaa g 371

<210> 605
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<400> 605

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ggcacagccg gcatcggtgt gtgtttcttga ctccgctgct cgccatgtct tctcacaaga 60
ctttcaggat taagcgattc ctggccaaga aacaaaagca aaatcgctcc attccccagt 120
ggattcggat gaaaactggg aaataaaatc aggtacaact ccaaaaggag acattggaga 180
agaaccaagc tgggtctatg aaggaattgc acatgagatg gcacacatat ttatgctgtc 240
tggaaggtgc acgatccatg ttaccatatg caagctggaa aatgtgcacc antatctggg 300
agattttoga cgtgtttttc cncctotggan nctgtttatg gnacaagggt ggtttggttt 360
ggntccatta aattaaatta ggtaaaggcc cc 392
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<210> 606

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (255)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<400> 606

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gcgtcttcag ggtggaagcc tggcgcacgt ccggagagac acccgccatt tcacccagta 60
agcggggccg gcctgctggag gtggggcgga tgcagctccg ctttgcccgg ctctccgagc 120
acgccacggc cccaccccg ggctccgcgc gcgcgcggg ctacgacctg tacagtgcct 180
atgattacac aataccacct atggagaaag ctgttgtgaa aacggacatt cagatagcgc 240
tcccttctgg gtgtnatgga agagtggctc cacggtcagg cttggctgca aaacacttta 300
ttgatgtagg antggtgtca tagatgaaga ttataagagg aatgttggtg ttgtactggt 360
taattttngg caagaaagtt tgaagtcaaa aaaggtgatc gaattgcaca gtcatttgca 420
acggattttt tatccagaaa ta 442
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<210> 607

<211> 182

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<400> 607

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gcaccatggc ggttggcaag aacaagcgcc ttacgaaagg cggcaaaaag ggngccaaga 60
agaaagtggg tgatccattt ttttaagaaag attggtatga tgtgaaagca cctgctatgt 120
tcantataag anatattgga aagacgctcg tcaccaggac ccaaggaacc aaaattgcat 180
ct                                     182
```

<210> 608

<211> 673

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (561)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (569)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (603)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (604)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (627)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (630)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (652)

<223> n equals a,t,g, or c

<400> 608

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tccaacatct ccgcgatgaaacttcggc tcaactccttg gcgcctgcct gatcctccaa 120
atcaccacag gactattcct agccatgcac tactcaccag acgcctcaac cgccttttca 180
tcaatcgccc acatcactcg agacgtaaat tatggctgaa tcatccgctg ccttcacgcc 240
aatggcgct caatattott tatctgcctc ttctacaca tcgggcgagg cctatattac 300
ggatcatttc tctactcaga aacctgaaac atcggcatta tctcctgct tgcaactata 360
gcaacagcct tcataggcta tgcctcccg tgaggccaaa tatcattctg aggggccaca 420
gtaattacaa acttactatc cgccatccca tacattggga cagacctagt tcaatgaatc 480
tgaggaggct actcagtaga cagtcaccac ctcacacgat tctttacctt tcaattcatc 540
ttgcccttca ttattggcag ncctacagna ctcacctcta ttttttgccg aaacggggat 600
canncaaccc ccttagggaa tcacctnccn tttccgataa aaatcaacct tncacctttt 660
actacacaat cat 673
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<210> 609

<211> 553

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (497)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<400> 609
gcggacgcgt gggttttaat acaaatgtta tttatagttt acaatgaatg cactgcataa 60
aaacttttgg acgacaatgg gaacattgct gaagaactga gcattctcaa atggaacaca 120
gacagtgtag aagaattcct gagtgaaaag ttggaacgca tataaatctt gcttaaattt 180
tgtcctatcc ttttgttacc ttatcaaag aaatattaca gcacctagaa aataatttag 240
ttttgcttgc ttccattgat cagtctttta cttgaggcat taaatatcta attaaatcgt 300
gaaatggcag tatagtccat gatattctaag gagttggcaa gcttaacaaa acccattttt 360
tataaatgtc catcctnctg catttggtga taccactaac aaaatgcttt gtaacagact 420
tgcggttaat tatgcaaag atagtttgng ataattgggg ccaagtttta cgaacaacag 480
atttctaaat tagaganggt taccaggaca gatgatacta tgcctaaggg ctgggngccc 540
ttttnaagga aga 553

<210> 610
<211> 458
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 610
accacgcgt ccggctnncc gatgagacca atatatgcaa tggtaagcca gtagatggac 60
tgactacttt gcgcaatggg acattagttg cattccgagg tcattatttc tggatgctaa 120
gtccattcag tccaccatct ccagctcgca gaattactga agttttgggg aatcctttcc 180
cccattgata ctgttttact aagggggaatt tttcnagaaa aggtngcagc attcagcagt 240

524

atattttataa acaggaacct gtacagaagt gcccttggaa naaggcctgc tctaaaatta 300
tccagtggta tngngnaacg acacaggtta agagacgtcg cttnaacgtg ctaaaaggac 360
ctttccaana cacaccatca gaatccataa tcacctgcca aatgggggtat cnagaccaag 420
gggcctccan aaggagttaa gnggttaccg tggggngg 458

<210> 611
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<400> 611
aagcnganac caaccctcac taaaggggaac aaaagctgga gctccaccgc ggtgcggccg 60
ctctagaact agtggatccc ccgggctgca ggaattcggc acgaggttgc agtgagccga 120
gatcgcacca ttgcactcca gtctgggcaa cagagtgaga ttccgtctca aaaaaaaaaa 180
gaaaaggaaa aaaaaatagc attatacctc ttcttctgtc caaccgccat gaaaattctg 240
aacactccaa attcagttga ataatccaaa acaaaattta taagtataaa ataattttac 300
ttcttatagt aatagtatac tttaaaaagc ctcagggtat attatcttct aaacagctac 360
aattcagtg agctacatta accaactatg ttctctagtt gaggaacaac taggcctatt 420
tcactgctgt gtagcctcag tgcctaacat gggtgccaaa taaatatng nggattacac 480
tgaattgtaa aaaccattcg tttttgttta caattgccaa aaatctcaa aggnccctgta 540
tttatgtaat tctttgaaat tatta 565

<210> 612
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
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<222> (328)
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cgctttttcgc gcgcccagca ttcacggggg ctccggcggc cgcggcgtat ccgtgtcctc 180
cgcccgcctt gtgtcctcgt cctcctcggg gggctacggc ggcggtang gcggcgctcct 240
gaccgcgtcc gangggctgc tggcgggcaa cgagaagcta accatgcaga actnaangac 300
cgcttggctt ctactggana agttcgcncc tgnaggggca aagggaacta aaagttaaata 360
ccgcnattgt acaaaacagg gcttggcctt cccggataaa gcattataaa gancntcagg 420
aattggggaa aaatttttgn nc 442

<210> 613
<211> 306
<212> DNA
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cggcctgcnc aggtgctgga tgagctgacc ctggcccaga accgaccttg gngatgcagt 180
tcgangcctn angaagagnt ggcctaccta agnaggaccc tgagggggaa tcaattncgt 240
taagggggcca atgggaggcc attaattttg anttggttcc ttccggacct tttggccant 300
cntggt 306

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accattgaga actccaggat tgtcctgcag atcgacaatg cccgtctggc tgcagatgac 120
ttccgaacca agtttgagac ggaacaggct ctgcgcatga gcgtggaggc cgacatcaac 180
ggcctgcgca ggggtgctgga tgagctgacc ctggccagga cggacctgga gatgcagatc 240
gaaggcctga aggaagagct ggcctacctg aagaagaacc atgaggagga aatcagtacg 300
cttaggggcc aagtgggagg ccaggtcagt gtggagggtg attccgctcc gggcaccgat 360
ctcgccaaga tcttgagtga catgcgaagc cnatatgagg tcatggccna gcagaaccgg 420
aaggatgctt aancctggtc accagcccgg actgaagaat tgaaccggga ggtcgcttgc 480
cacacggagc aacttcngat gagcagggtcc aaggttactg acctgcggcg caacccttaa 540
ggncntgaga atgaa 555

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<222> (28)

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<222> (57)

<223> n equals a,t,g, or c

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<222> (173)

<223> n equals a,t,g, or c

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gggtgaggcc ctcaattcat ccggcgacta gcaccgcgtc cggcagcgcc agnccctacac 180
tcgcccgcgc catggcctct gtctccgagc tcgcctgcat ctactcggcc ctcaattctgc 240
acgacgatga ggtgacagtc acggaggata agatcaatgc cctcattaaa gcagccgggtg 300
taaagtgtga gccttttttg cctggcttgt ttgcaaaggc cctggccaac gtcaacattg 360
ggagcctcat ctgcaatgta ggggcccgtg gacctgctcc agcagctggt gctgcaacca 420
gcaggaggtc ctgccccctc cactgctgct gctccagctg aggagaagaa agtggaagca 480
aagaaagaag aatccgagga gtctgatgat gacatgggct ttggtctttt tgactaaacc 540
tcttttataa catgttcaat aaaaagctga actttt 575
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<210> 616

<211> 346

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<400> 616

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gtcgctctct acctgctggc tgccctaggg ggcaactcct ccccccagcgc caaggggnatc 120
aagaagatct tggacaacnt gggatatcgag gcggacgacg accggctcaa caaggttatc 180
agtgaactga atggaaaaaa cattgaagac gtcattgccc aggggtattg caagcttgcc 240
agtgtacctg ctggtggggc tgtagccgctc tctgctgccc caggctctgc agcccctgct 300
gctgggtctg cccctgctgc agcagaggag aagaaagatg agaaga 346
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<212> DNA
<213> Homo sapiens

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<222> (380)
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<222> (388)
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<220>
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<222> (397)
<223> n equals a,t,g, or c

<220>
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<222> (408)
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tcccgttccg ctgcccgcc tgccaccatg acggaacagg ccatctcctt cgccaaagac 120
ttcttgggcg gaggcacgc cgccgccatc tccaagacgg ccgtggctcc gatcgagcgg 180
gtcaagctgc tgctgcaggt ccagcacgcc agcaagcaga tcgccgccga caagcagtac 240
aagggcatcg tggactgcat tgtccgcac cccaaggagc agggcgtgct gtccttctgg 300
aggggcaacc ttgccaacgt cattcgctac ttcccactc aagccctcaa cttcgncttc 360
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<210> 618
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<212> DNA
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<222> (322)
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<400> 618
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gagagggggc gactattata caagttggca agttgatcaa agaagctgcc gggaaaagca 120
atctgaagag ggtgaccctg gagcttggag gaaagagccc ttgcattgtg ttagctgatg 180
ccgacttggc caatgctgtt gaatttgcac accatggggg attctaccac cagggccagt 240
nttgtatagc cgcattncagg atttttgttg aagaatcaat ttatgatgag tttgttcgaa 300
ggagtgttga gcgggttaag antatatcct tgggaantcc tttgaccca gnagttcann 360
caagnccntc agattgacaa ggaccatttg gtaaatactt gacccattg agagtnggaa 420
gaaagaaggg gcccaantgga tntggnggag gccctggggg ataaagggtan ttg 473

<210> 619
<211> 604
<212> DNA
<213> Homo sapiens

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<222> (492)

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aaatggcgag actaccaccc aagggttgga tgggctgtct gacgctgtg cccagtacaa 180
gaaggacgga gctgacttcg ccaagtggcg ttgtgtgctg aagattgggg aacacacccc 240
ctcagccctc gccatcatgg aaaatgccaa tgttctggcc cgttatgcca gtatctgcca 300
gcagaatggc attgtgccca tcgtggagcc tgagatcctc cctgatgggg accatgactt 360
gaagcgcttg ncagtatgtg accgaaaagg tgcttggctt gctgctacaa ggctcttgag 420
tgaccaccac atctacctgn aaggcacctt gctgaagccc aacatgggtcc cccaggccat 480

gcttgcaactc anaagttttn ttatgaagga gattgcccac ggccaacccg totcaancgc 540
tgtgcccgcgca caantgcccc cccgcttgtc acttgggacg aacnttncct gtnttggaag 600
gcca 604

<210> 620
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<212> DNA
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<220>
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<400> 620
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ccagcgagtc cctcttcgtc tctaaccacg cctattaagc ggaggtgttc ccaggctgcc 120
cccaacactc caggccctgc cccctcccac tcttgaagag gaggccgcct cctcggggct 180
ccaggctggc ttgcccgcgc tctttcttcc ctctgtacag tgggtgtgtg tgctgtctgt 240
gaatgctaag tccatcaccg tttccggcac actgccaat aaacagctat ttaaggggga 300
aaaaaanann nn 312

<210> 621
<211> 248
<212> DNA
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<220>
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<222> (246)
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ggttgcacga aacacactgg ggaatggagc aaaacagtct ttgaatatcg aacacgcaag 120
gctgtgagac tacctattgt ngatattgca ccctatgaca ttggtggtcc tgatcaagaa 180
tttggtgtgg acntnggncc tgtttgnttt ttataaacca aactctatct gaaatcccaa 240
caaaaanaa 248

<210> 622
<211> 344
<212> DNA
<213> Homo sapiens

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<222> (312)

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<220>
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gtatgggaaa tgccatgttt gtcaaagagc aactcagtct gctggacagg ttcacggagg 120
atgccaaagag gctgtatggc tccgaggcct ttgccactga ctttcaggac tcagctgcag 180
ctaagaagct catcaacgac tacgtgaaga atggaactcg agggactata acctgaacga 240
catacttctc cagctgaagt acacaggcaa tgnccagcna ctnttcaccc tgcctgntca 300
ngncaagatn gnggaagtgg aagccatgtt ggttttcaga gncc 344

<210> 623
<211> 316
<212> DNA
<213> Homo sapiens

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<220>
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<222> (286)
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<222> (294)
<223> n equals a,t,g, or c

<220>
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<222> (308)
<223> n equals a,t,g, or c

<220>
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<222> (313)
<223> n equals a,t,g, or c

<400> 623
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cggtctgaag ggtctggctg gtgagccagg ttttaaaggc agccgagggg accctgggcc 120
cccaggacca cctcctgtca tcctgccagg aatgaaagac attaaaggag agaaaggaga 180
tgaagggcct atggggctga aaggatacct gggcgcaaaa ggtatccaag gaatgccagg 240
catcccangg ctgtcaggaa tccctgggct gcctgggagg cccggncaca tcanaggaat 300
caaggganac atngga 316

<210> 624
<211> 445
<212> DNA
<213> Homo sapiens

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<220>
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<222> (172)
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<220>
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<222> (185)
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<220>
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<222> (381)
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<222> (426)
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<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
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<222> (438)
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ccagggctat gcgccaagac cgtctttaag gcgctccagg cccctgcctt gnacgaagaa 120
catggtgaag gttggcggt acatccttgg ggagtttggg aaacctgaat tntggggacc 180
cccgntncca gccccccagt ggcagttctc cctgctccac tncaagttcc atctgtgaca 240
ngtggccagg ggnccgtgct gctgtgccac ctgacatcaa gttcatcaac ctctttcccc 300
gagaccaagg ncaccatcca gggggtncgt nggggtcggg tttccagttg cgcaatgttg 360
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agttcnggnc aggtgttnga ggagt 445

<210> 625
<211> 401
<212> DNA
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<222> (33)
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<222> (380)
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<220>
<221> misc feature
<222> (389)
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<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<400> 625
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gtgtgatctg accggtcgcg ggggaccagc ccagccctat ttccggctcga gcgaggaact 120
tctgctcccg tgactgaact ctgatcttga tagagagtcc cggccatggc agccaaagga 180
ggcaccgtca aagctgcttc agcattcaat gccactgaag atgcccagac cctgaggaag 240
gccatgaagg ggcttggcac cgacgaagat gccatcatca gcgtcctcgc ctaccgcaac 300
acagcccagc gccaggaaat caggacggcc ttacaagagc accattcggc aggggacett 360
gtgttaagga acggaccccn ttttgtttnn gantggngtg a 401

<210> 626
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<212> DNA
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<222> (103)

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<222> (129)

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<222> (163)

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<221> misc feature

<222> (240)

<223> n equals a,t,g, or c

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atacctcana ctgctgctgg actcacttcg aaaagcccag ggnaattgac aacgtcctcg 180
tcattcttag ccatgacttc tggtcgaccg agatcaatca gctgatcgcc ggggtgaatn 240
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cangttantg accta 315

<210> 627

<211> 412
<212> DNA
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gatgaattcc aaattctgct tgcttgcttt ttaatattga tatgcttata cacttacact 180
ttatgcacaa aatgtagggt tataataatg ntaacatgga catgatcttc tttataattc 240
tactttgagt gctgtctcca tgtttgatgt atctgagcag gntgctccac aggtagctct 300
agcagggctg gcaacttann aggtggngag cagagaattc tcttatccaa catcaacatc 360
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cactggccgt cgttttaciaa cgtcgtgact gggaaaaccc tggcgttacc caacttaate 180
gccttgacgc acatccccct ttgcgcagct ggcgtaatag cgaagaggcc cgcaccgatc 240
gcccttccca acagttgcgc agcctgaatg gcaaatggga cgcgccctgt agcggcgcat 300
taagcgcggc ggggtgtgtg gttacgcgca gcgtgaccgc tacacttgcc agcggccctac 360
gcccggtcct ttggtttctt cccttccttt ctgcgcacgt tcgcggntt tccccgtnaa 420
gctntaaatn ggggggctncc tttanggttc cgattaangn tttacgggac cttngaccca 480
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ttgannttgg agtcccgttn ttaaaaggga ctttggt 577

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cgtcgtgact gggaaaaccc tggcgntacc caacttaatc gccttgacgc acatccccct 180
ttcgccagct ggcagtaata gcgaagagge ccgcaccgat cgcccttccc aacagttgcg 240
cagcctgaat ggcgaatggg acgcgccctg tagcggcgca ttaagcgcgg cgggtgtggt 300
ggttacgcgc agcgtgaccg ctacacttgc cagcgcccta gcgnccgctc ctttcgcttt 360
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ccctttangg ttccgatnta gtgctgtacg gcacctngac cccaaaaaac ttgattaggg 480
tgatggttca cgtngtggnc atcgccctga tagacggntt ttcgcccttt gacgttggag 540
nccacgttct taatagtgga ctctttggtc caaacnggan caacantgaa cccctatctc 600
ggncatattct tttgatttat nagggatttt gncgatttca ggncatattg ntaaaaaatg 660
gatcttgntt ttaaccaaaa atttaaacgg cggaatttta agc 703

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<212> DNA
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tatagggtca cctaaattca attcactggc cgcncgtttta caacgtcgtg actgggaaaa 180
ccctggcggt acccaactta atcgccctgc agnacatccc cntttcgcca gctggcgtaa 240
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cgctacactt gccagngccc tagcgccgc tcctttcgct ttcttccctt cctttntcgc 420
cacgttcgcc ggctttcccc gtcaagctnt aaatcggggg ctcccttttag ggttcgatt 480
aagngcttta cgggaccttn gncccaaaa aaacttgatt aggggngatg gntcacngta 540
aaggggccat tgccttgat aaaacggttn tttngccctt ttgaccttg aantccccgt 600
ttctttaaaa aangggacct tttggttcna actgggaa 638

<210> 631
<211> 187
<212> DNA
<213> Homo sapiens

<400> 631
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gacgtcatag ctcttctata gtgtcaccta aattcaattc actggccgto gttttacaac 120
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tcgccag 187

<210> 632
<211> 305
<212> DNA
<213> Homo sapiens

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cccgggtcga cccacgcgtc cgactagttc tagatcgca gcggccgctc tagaggatcc 120
aagccttacgt acgogtgcac gcgacgtcat agctcttcta tagtgtcacc taaattcaat 180
tcaactggccg tcgtttttaca acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat 240
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cgccc 305

<210> 633
<211> 187
<212> DNA
<213> Homo sapiens

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<400> 633
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aaaaaaaaaa aaaaaaaaaa gggnggacga tctagaggat ccaaagctta cgtacnctn 180
natgcaa 187

<210> 634
<211> 243
<212> DNA
<213> Homo sapiens

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caggtaccgg tccggaattc ccgggtngac ccacgcgtcc gtggaaatct gtcctccana 120
atccaggcca naaagttcac agtcaaatgg ggaggggtat tcttnatgca ggagacccca 180
ggcctggag gctgenacat acctnaatcc tgtcccangc cggatcctnc tgaagccctt 240

ttt

243

<210> 635
<211> 180
<212> DNA
<213> Homo sapiens

<400> 635
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gagggggcgg ccgctotaga ggatccaagc ttacgtacgc gtgcatgcga cgtcatagct 120
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<210> 636
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<212> DNA
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<223> n equals a,t,g, or c

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ttacgtacgc gtgcatgca cgtcatagct cttctatagt gtcacctaaa ttcaattcac 180
tggccgctcgt ttacaacgt cgtgactggg aaaaccctgg cgttaccxaa cttaatcgcc 240
ttgcagcaca tccccctttc gccagctggc gtaatagcga agaggcccgc accgatcgcc 300
cttcccaaca gttgcgcagc ctgaatggcg aatgggacgc gccctgtagc ggcgcattaa 360
gcgcggcggg tgtggtggtt acgcgcagcg tgaccgctac acttgccagc gccctagcgc 420
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aaaaacttga ttagggatgat gggtcacgta gtgggccatc gcctgataga cggttttcgc 600
ctttgacggt ggagtcacgt cttaataggg actcttgtn aaactggaac aacactnaac 660
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<212> DNA

<213> Homo sapiens

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<222> (415)

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<222> (446)

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tcgtgactgg gaaaaccctg gcgttaccca acttaatcgc cttgcagcac atcccccttt 180
cgccagctgg cgtaatagcg aagaggcccg caccgatcgc ccttcccaac agttgcgcag 240
cctgaatggc gaatgggacg cgccctgtag cggcgcatga agcgcggcgg gtgtggtggt 300
tacgcgcagc gtgaccgcta cacttgccaa gcgccctaag cgcccgcttc tttcgctttc 360
ttcctttctt ttttngccac gttcgggccg cttttcccg taaagcttta aatcnggggg 420
gttcccttaa ggggttccga ttaannggtt ttacgggaac ttngaccca aaaaaacttg 480
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<210> 638
<211> 509
<212> DNA
<213> Homo sapiens

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<222> (348)
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<222> (385)
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acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgacg cacatcccc 180
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tgaattaggg tngaanggt tcacggtaa 509

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acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgcaq cacatccccc 180
tttcgccagc tggcataata gcgaagaggc ccgnaccgat cgcccttccc aacagttgcg 240
cagcctgaat ggcgaatggg acncgcccctg tagcgggcgca ttaagcgcgg cgggtgtngt 300
ggttacgcgc agcgtgaccg ctacacttgc agncccctag cgcccgcctcc tttnnttttn 360
ttnccttccct ttntngcacg tttnacggct ttcccgctcaa gctctanacg gggggctcct 420
ttaggggttcn atttaatggt tacggacctt tanccaaaaa acttgatatg gttatgggta 480
ntgtnttgng ccattgcctt atttccc 507

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gaaggnatte ctctgaatn cagcagagaa ctgaatcttt gcctgggncaa gcagctggga 180


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aggatgggac gttactttgt gctgaactta caatatttca aaaggggttc ttacttcttn 240
atcttggtgtt gagaatttcg tgggtggtgc ttaggaaagg ggaaggagga agtttttaca 300
accattccca ggaaggntta ggcccagggn aaagganggt ttaagntggt tgtncncgaa 360
atTTTTtagg gngggttgng attgggcaan tnngtnggct ttgggtgggg ggttccccctt 420
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gactac                                     186

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acacatgacc ccagccctct acagcggtaa ggtgagggac ccacattnc cctgccctct 180
gagacttngg gggacgttgc cccctgana tgcagnnngg gcctgaatat gtgaaccagc 240
cagatgttcg gccccagccc ccttcgcccc gaagatgngc tngnctgctg cccgacctnc 300
ttggtgccac tctggnaagn ggccaagaat ctnttcccca gggagaatt gggtcgtcaa 360
aagnggtttt tgcnttttgg gggttccgtt gagaancccg agtangtta caacccaag 420
ggaagaanct tccctnaag cccaacctt cttccttgct taagccagcc tttgacaacc 480
tctaataatt ggancaagan ccaacaaaac cgggggggtc 519

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gtgacatcta tnanaggaaa agtgatggca tntatatcat anntctcaag aggacctggg 120
agaagcttct gctgggca 138

<210> 644

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<212> DNA

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gcagcatggc tgaccaactg actgaagagc agattgcaga attcaaagaa gctttttcac 120
tatttgacaa agatggtgat ggaactataa caacaaagga attgggaact gtaatgagat 180
ctcttgggca gaatcccaca gaagcagagt tacaggacat gattaatgaa gtagatgctg 240
atggtaatgg cacaattgac ttccctgaat ttctgacaat gatggcaaga aaaatgaaag 300
acacagacag tgaagaagaa attagagaag cattccgtgt gtttgataag gatggcaatg 360
gctatattag tgctgcagaa cttcgccatg tgatgacaaa ctttggaaga gaagttaaca 420
gatgaagaag tttgatgaaa tgatcagggg agcagatatt gatggtgatg gtcaagtaaa 480
ctatgaagag tttgtaccaa atgatgacag caaagtgaag agaccttttn ccagaatggg 540
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<212> DNA

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ccgtgacaac aacaggggtgg gcttcgccga ggctgcccgc ctctagttcc caaggcgtcc 120
gcgcgccagc acagaaacag aggagagtc cagagcagga ggcccctggc ccagcgggcc 180
ctcccacaca caccacaca ctgcgccgcc cactgtcctg ggccgccctg aagccggcgg 240
gccaaagccga cttgctgttt tgttctgtgg tttcccctcc ctggggttcaa aaatgctgcc 300
tgctgtctgt ctctccatct tgtttggtgg gttaaactga tccaaaanaa aatttggtcc 360
gtgattggaa aaaccaccca acttggaanc nactcttttt cctgggtcct tctctccagg 420
atcccccccg gcctacaagc cgtnggttaa cctacccaac agngcncccg gnccttgaa 480
ctgcngctaa gcccttccaa ttggccattg gttc 514

<210> 647
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<212> DNA
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cctgctggac ggctccgagc ggctgggtga gcagaacttc cacaaggccc ggcgcttcgt 180
ggagcaggtg gcgcggcggc tgacgctggc ccggaggagc gacgaccctc tcaacgcacg 240
cgtggcgctg ctgcagtttg gtggccccgg cgagcagcag gtggccttcc cgctgagcca 300
caacctcacg gccatccacg aggcgctgga gaccacgcaa tacctgaact ccttctcgca 360
cgtgggcgca ggcggtggtgc acgccatcaa tgccatcgtg cgcagcccgc gtggcggggc 420
ccggaggcac gcagagctgc cttcgtggtc ctcacggacg gcgtcacggg caacgacagn 480
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aagaaccgct gggaggacnc tggtaagcag ctctacaacg tggaggccac atcctatncc 120
ctcttngccc tactgcagct aaaagncttt gactttgtnc ctcccgtcgt nenttngctc 180
aatgnacaga gatnctacgg tgggtggntat ggctctaccc aggccacett catggtgttc 240
caagncttag ctcaatanca gaaggacggc cctgaccacc aggcaactgaa ccttgangtg 300
nacctccaaa tgctcng 317

<210> 649
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<220>
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acgcctatta caacctggag gaaagctgta cccggttcta ccatccgga aaggaggatg 180
gaaagctgaa caagctctgc cgtgatgaac tgtgccgctg tgctgaggag aattgcttca 240
tacaaaagtc ggatgacaag gtcaccctgg aagaacggct ggacaaggcc tgtgagccag 300
gagtggacta tgtgtacaag acccgactgg caaggttcaa gctgtccaat gactttgacc 360
gagtacatca tggccattga gcagaccatc aagtcaggct cggatgaggt gcaggttgga 420
cagcagcgca cgttcatcag ccccatcaag tgcagagaag ccctgaagct tgaggagaag 480
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tacatcatcg ggaaggacac ttgggtggag cactg 575

<210> 650
<211> 277
<212> DNA
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gaccttctgg caagaacttg tatccaagtg tttaactgaa tattcatcta agcaaagtgg 180
ttccanacca aatgttccag aagtttgaaa atggatttgt tcctggacgt actgcacggc 240
aanctgaagc acaggttact aacgngntna acccanc 277
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<212> DNA

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<220>

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<222> (89)

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<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (100)

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<220>

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<220>
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<222> (185)
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<222> (289)
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<220>
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<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
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ttttttctgg gcctggctcg cggcgnacong agatgggnagn gcagtnggac gaggccgtga 120
agtaatacac cctaggagga gattcagaag cacaaccaca gcaagagcac ctggnctgat 180
cctgncacca caaggtgtac gaatttgacc aaatttctgg nagaggcatc cctgggtgggg 240
gaggaagttt taaggggaac aagcttggag gtgacgctac ttgaggaant tttgaggnt 300
gttcggggca cttttaccag ntgncccaag ggaaaattgt tcccaaaaac atttnca 357

<210> 652
<211> 190
<212> DNA
<213> Homo sapiens

<220>
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<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
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<220>
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<222> (172)
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<220>
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<222> (180)
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cattttcctt atctgcttcc tagtcctgta tgcccttttc ctaacactca caacaaaact 120
aactaatact aacatctnag acgctnanga aatagaaacc gtctgaacta tncctgccgn 180
catcatccta 190

<210> 653
<211> 603
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<222> (600)
<223> n equals a,t,g, or c

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gtcaccctga agtttatatt cttatcctac caggcttcgg aataatctcc catattgtaa 120
cttactactc cggaaaaaaa gaaccatttg gatacatagg tatggtctga gctatgatat 180
caattggcct cctaggggtt atcgtgtgag cacaccatat atttacagta ggaatagacg 240
tagacacacg agcatatttc acctccgcta ccataatcat cgctatcccc accggcgtca 300
aagtatttag ctgactcgcc aactccacg gaagcaatat gaaatgatct gctgcagtgc 360
tctgagccct aggattcatc tttcttttca ccgtaggtgg cctgactggc attgnattag 420
caaactcatc actagacatc gtactacacg acacgtacta ccgttgtagc ccacttccac 480
tatgtcctat caataggagc tggatttgcc atcataggaa ggcttcattc actgatttcc 540
ctattctcag gctacaccct agaccaaaacc tacgccaaaa atcatttcac tatcataatn 600
cac 603

<210> 654
<211> 356
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
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<400> 654
ggtttttttc ttgcaggat ttttctgagc cttttaccac tccagcctag cccctacccc 60
ccaattagga gggcactggc ccccaacagg catcaccccg ctaaattccc tagaagtc 120

actcctaaac acatccgtat tactcgcac aggagtatca atcacctgag ctcaccatag 180
tctaatagaa aacaaccnaa accaaataat tcaagcactg cttattacaa ttttactggg 240
tctctatattt accctcctac aaagcctcan agtacttcga gtctcccttc accatttcgg 300
anggcaccta cggctcaaca ttttttgnag cccaggcttn cacgganttt cacgtc 356

<210> 655

<211> 682

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (660)

<223> n equals a,t,g, or c

<400> 655

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gatcacgccc tcataatcat ttctcctatc tgcttcctag tcctgtatgc ccttttccta 120
aactcaciaa caaaactaac taataactaac atctcagacg ctcaggaaat agaaaccgtc 180
tgaactatcc tgcccgccat catcctagtc ctcacgccc tcccatccct acgcacccct 240
tacataacag acgaggtcaa cgatccctcc cttaccatca aatcaattgg ccaccaatgg 300
tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta catacttccc 360
ccattattec tagaaccagg cgacctgcca ctccttgacg ttgacaatcg agtagtactc 420
ccgattgaag cccccattcg tataataatt acatcacaag acgtcttgca ctcagtgcgt 480
gtccccacat taggcttaaa aacagatgca attcccgac gtctaaacca aaccactttc 540
accgctacac gaccgggggt atactacggg caatgctctg aaatctgtgg agcaaaccac 600
agtttcatgc ccatcggcct agaattaatt cccctaaaaa tctttgaaat aagggcccg 660
atttacccta tagcaccct ct 682

<210> 656

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (429)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (483)
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<220>
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<222> (485)
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tagtcctgta tgcccttttc ctaacactca caacaaaact aactaatact aacatctcag 120
acgctcagga aatagaaaac gtctgaacta tcctgcccgc catcacccta gtcctcatcg 180
ccctcccatc cctacgcacg ctttacataa cagacgaggt caacgatccc tcccttacca 240
tcaaataaat tggcaccat ggtactgaac ctacgagtag accgactacg gcggactaat 300
cttcaactcc tacatacttc ccccatatt cctagaacca ggcgacctgc gactccttga 360
cggtgacaat cgagtagtag tcccgattga agcccatctc gtataataat tacatcaca 420
gacgcttga ctcaagagct gncacacant aggcttaaaa acaggatgca atttccgggc 480
ggntnaaaca aaacaatttt accggtacac gaacgggggg 520

<210> 657
<211> 353
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

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tgatgattga ctcccagaat tcgaaagaaa ctgagtccca caaagctctg tctgatctgg 120
agctcgcagc ccagtcataa atcttcattt ttgctggcta tgaaaccacc agcagtggtc 180
tttccttcac tttatatgaa ctggccactc accctgatgt ccagcnaaaa ctgcaaaagg 240
gagattgatg cagttttgcc caataaggca ccacctacct atgatgccgt ggtacagatg 300
gattaccttg acatggtggt gaatgaaacc tcaaattatn cccgttggtg tta 353

<210> 658
<211> 362
<212> DNA
<213> Homo sapiens

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<222> (5)
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<220>
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<222> (203)
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<220>
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<222> (215)
<223> n equals a,t,g, or c

<220>
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<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
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<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
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<400> 658
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caggcagcca agaccctccc cacttccttc tttggcctcc ctctcctcag gtatgaaaat 120
gaagctggcc ctgcgccag gcgtttgaag gctgacatca acggcttgcg ccgagtcctg 180
ggatgagctg accctggcca ggnctgacct ggagntgcag atcgagggcc tgaatgaggn 240

agctagcctt acctgaagtg gnaccacgaa ggagggagat ggaaggagtt tcagcagcca 300
gttgcccggn caagttcaat nttggagatg ggncgganca ccgggtgtgg gacctgacct 360
gn 362

<210> 659
<211> 447
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<222> (47)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

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<222> (168)
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
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<222> (204)
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<222> (228)
<223> n equals a,t,g, or c

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<222> (247)
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<400> 659
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ctaccatgtc catcaaggtg acccagaagt cctacaaggn gtccacctct agccccggg 120

ccttcagcag ccgctcctac acgaatnggc ccggttcccg catcaacncc togancttct 180
cccgaatagg cagcagcaac tntngcagtg gcctgggcgg cggctatngt ggggccagcn 240
gcatggnagg catcaccgca gttacgggtca accagagcct gctganccccc ctintcctgg 300
agggtggaccc caacatccag gccgtgcgca cccaggagaa ggagcagatc aanaccctca 360
acaacaagtt tgctcttca tagacaaggt aggttcctgg agcagcagaa caagatgttg 420
gaaaccaagt agagctcctt gagcnnn 447

<210> 660

<211> 295

<212> DNA

<213> Homo sapiens

<220>

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<222> (3)

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<222> (70)

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<222> (82)

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<220>
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<222> (241)
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<222> (257)
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<220>
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<222> (270)
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<220>
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<222> (284)
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agtagaacgn gancctccag gntgcnatgc aagtntgtcg caatgttctc ctgggaccct 120
nagctggtgc nagggggtgg ggcntccaaa atggctgtgg cccatgcntt ganagaaaaa 180
tccanggccca tggactggtg tgggaacaat ggccatacag ggctgttgnc cagggcccta 240
naggttcatt cctcgtnacc ctggatccan aaactgtggg gggncagcca ccatt 295

<210> 661
<211> 212
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<400> 661
gttggcgtgc tgggcctgga cctctggcag gtcaagtctg gcaccatctt tgacaacttc 60
ctcatcacca acgatgaggc atacgtgag gagtttggca acgagacgtg gggcgtaaca 120
aaggcagcag agaaacaaat gaaggacaaa caggacgagg agcagaggct taaggaggag 180
gaagaagaca agaaacgcaa agaggangan ga 212

<210> 662
<211> 130
<212> DNA
<213> Homo sapiens

<220>
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<222> (13)
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<220>
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<222> (20)
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<220>
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<222> (35)

<223> n equals a,t,g, or c

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<222> (48)

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<222> (74)

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<222> (123)

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<220>

<221> misc feature

<222> (129)

<223> n equals a,t,g, or c

<400> 662

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cctgggctgg accntttcat cagacaggct tattagactc tatgctagaa catgaagctt 120
atnggatcng 130

<210> 663

<211> 232

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

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<222> (8)

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<221> misc feature

<222> (9)

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<220>

<221> misc feature

<222> (10)

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<221> misc feature
<222> (21)
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<220>
<221> misc feature
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<221> misc feature
<222> (195)
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<220>
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<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
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tatctccaag aatgggcaga cccgagagca tgcccttctg gcttacacac tgggtgtgaa 120
acaactaatt gtcggtgnna acaaaatgga ttccactgag ccaccctaca gccagaagag 180
atatgaggaa attgntaagg aagtnagcac ttaccnttaa gaaaaaactg gg 232

<210> 664
<211> 296
<212> DNA
<213> Homo sapiens

<220>
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<222> (25)
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<220>
<221> misc feature
<222> (241)
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<222> (258)
<223> n equals a,t,g, or c

<220>
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<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<400> 664
agcggagacc cgcaagcgca agggngctgaa agaaggcatc cctgccctgg acaacttctt 60
ggacaaattg taggtggccc ctgcagcgcc tgccgccccg gggactcgca gcacccacag 120
caccacgtcc cgaattctca gacgacacct ggagactgtc ccgacactcc cctgagaggt 180
ttctggggcc cgctgcggtc acgagggggg gcccggttac ccaattcgtc ctatagtgat 240
natttacaat tcaactggncg togttttaca agtcgtgtnt gagttttttt tntntt 296

<210> 665
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<400> 665

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aagccaaaat gggaaaggaa aagactcata tcaacattgt cgtcattgga cacgtagatt 120
cgggcaagtc caccactact ggccatctga tctataaatg cgggtggcatc gacaaaagaa 180
ccattgaaaa atttgagaag gaggctgctg agatgggaaa gggctccttc aagtatgcct 240
gggtcttgga taaactgaaa gctgagcgtg aacgtggat cncattgga tatctccttg 300
tggaatttg agaccagcaa gtactatgtg actnnncatt gnatgcccc aggacacaga 360
gactttatcc agaaac                                     376
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<210> 666

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

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<222> (223)

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<222> (287)

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<220>

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<222> (297)

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<220>

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<222> (323)

<223> n equals a,t,g, or c

<220>
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<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

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cgaccgctcg cagcgctctc ttgaccacta tgagcctcct gtccagccgc gcggcccgtg 120
tccccgggtcc ttcgagctcc ttgtgcgcgc tgttggtgct gctgctgctg ctgacgcagc 180
cagggcccat cgccagcgct ggtcctgccg ntgctgtggt ganagagctg cgttgccggt 240
tgtttacaga ccacgcaagg agtccatccc aaaaatgata agtaatntgc aagtgtncgc 300
cataggccca acagtgtctc aangngggaa gn 332

<210> 667
<211> 361
<212> DNA
<213> Homo sapiens

<220>
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<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
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<220>
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<223> n equals a,t,g, or c

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<222> (355)

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gganctgntc atgtccttgn atccanacaa attgtgcoga cgacgccatg gaccctggta 180
ctaaaganag agcttggtgc gcatttggaa ttgcaccatg cacgggcctg accttctggg 240
naccaccagct gtgtaggcag aggacagggg gacaattttg tctttgcgca tggcntaatg 300
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t 361

<210> 668
<211> 518
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<213> Homo sapiens

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ttgcacacgc ctgaaaagtg ggtgagggtc aagtaaccaa agctcatctc ctattcctac 180
atgggttcgtg gggggccactt tgcggccttt gaggagccgg agctgctcgc ccaggacatc 240
cgcaagttcc tgtcgggtgct ggagcggcat gnanccaccc ctctcccccc gcttgccact 300
tccccccaca atgccctcca ggnntttcttg ggggaagata accntttctg aggatgantt 360
tgcctccgtc cntgnccag ttggganccc agttcaaccc ctnaaccttc nagttaattc 420
ccaaccccaa tcgtgtggta agcaanggtt ttgangataa agatttaatc taaaaaaaaa 480
aaaaaaaaatc nggggggggc ccgtaacaat tgnccnaa 518

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gcttccctcc aagagggacc cgggggtccc gagggaaacc ctctggagga ggaaacgtcc 180
agcaccgagc tggagactgg cagtgtccca atccttcaat tgggtgatttc tgctgtgatg 240
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gtggtgatcg tggcagaggt ggccctggtg gcatgcnngg aggaagaggt ggcctcatgg 360
atcgtggtgg tcccgggtgga atgttcagag gtggccgtgg tggagacaga ggtggcttcc 420
gtggtggccg gggcatggac cgaggtggct ttngtggagg aagacgaggt ggccctgggg 480
ggccctgga cctttgatgg aacagatggg aggaagaaga ggaggacgtg gaggacctgg 540
gaaaa 545

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<212> DNA
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<222> (173)
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gctacagtca acatcttgat ntcactgtgc caactgcggt gcctgccctt canagccctg 180
cactttgttt tntcccctgg cttcatcnac tacatcagtg gcacccctca tgctctgatt 240
gtgcgtcgct acctctccct gctggacacg gccgtggagc tgganctccc aagataccgg 300
ggtccccgcc ttccccgaan gcagtaagtg cccatctttc cccaacctct cntcaccgac 360
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<212> DNA
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gagagctgtc aggctgcaat gccgccatcc tcaagcggga gaccatgagg ccatccagcc 180
gtgtggccct gatggtgtc tgtgagacc accgcgccg catggtcaaa caccactgtc 240
gcccgggctg cggtacttc tgcacggcgg gcaccttcct ggagtgccac cctgacttcc 300
gtgtggccca ccgcttccac aaggcctgtg tgtctcagct gaatgggatg gtcttctgtc 360
cccactgtgg ggaggatact tctgaagctc aagangtgac cateccccgg gtgacggggt 420
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<211> 504

<212> DNA

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